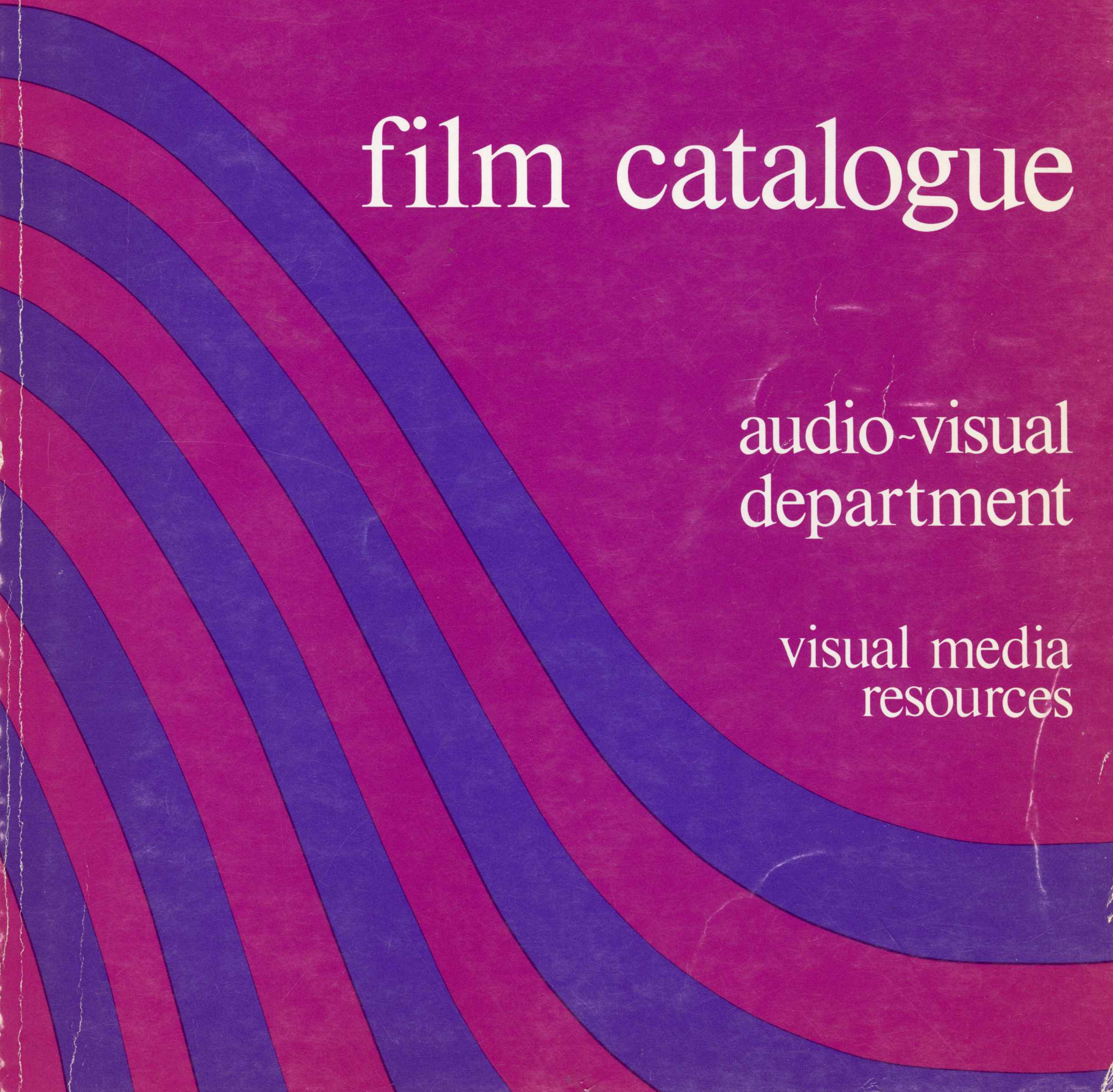
CONCORDIA
UNIVERSITY

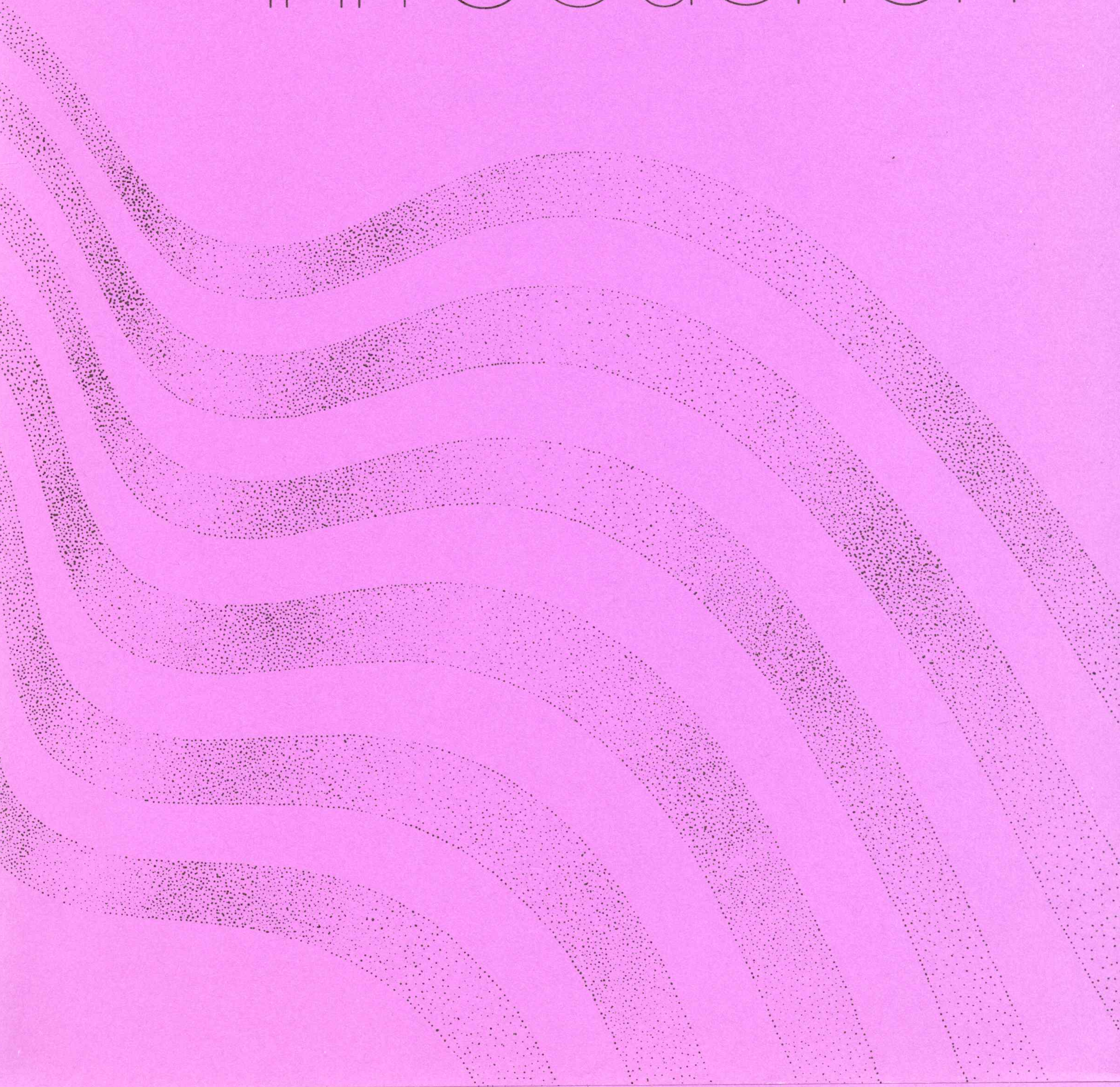
film catalogue

audio-visual
department

visual media
resources



introduction



VISUAL MEDIA RESOURCES

MEDIA LIBRARY FILM CATALOGUE

AUDIO VISUAL DEPARTMENT

CONCORDIA UNIVERSITY

Sir George Williams Campus
Room 341, Hall Building
1455 de Maisonneuve Blvd. West
Montreal, H3G 1M8

Telephone: (514) 879-5974
-4434

TABLE GÉNÉRALE DES MATIÈRES
DE LA COLLECTION DES FILMS DE CONCORDIA

page iii Préface

v Règlements et renseignements généraux

A 1 Table des matières de la collection de l'Office National du Film
A 30 Index des titres de la collection de l'ONF

B 34 Table des matières des British Information Services
B 87 Index des titres des BIS

C 94 Table des matières de la collection Sir George Williams
C 161 Index des titres de la collection SGW
C 170 Index des producteurs de la collection SGW
C 173 Index des séries de la collection SGW

D 179 Table des matières du collection des films en Français
D 202 Index des titres des films Français

CONCORDIA FILM COLLECTION
GENERAL TABLE OF CONTENTS

page iv Preface

ix Regulations and General Information

A 1 National Film Board Table of Contents
A 30 NFB title Index

B 34 British Information Services Table of Contents
B 87 BIS title Index

C 94 Sir George Williams Collection Table of Contents
C 161 SGW title Index
C 170 SGW Producer Index
C 173 SGW Series Index

D 179 Table des matières du collection des films en Français
D 202 Index des titres des films Français

PRÉFACE

Le Catalogue des films de l'Université Concordia
comprend quatre collections séparées,
chacune ayant sa propre section

La collection de l'ONF (Section A) comprend
les titres de l'Office National du Film

La collection des BIS (Section B) comprend
les titres des British Information Services

La Section C comprend les titres de divers
producteurs et des films didactiques

La Collection des Films en Francais (Section D)
comprend des titres de divers producteurs,
en grande partie ceux des BIS

Chaque section comporte une Table des Matières
séparée et un index par titre, vu que les
sujets énumérés dans chaque section sont
différents et se chevauchent

Les sections A, B et D sont classées par
les vedettes du sujet general

Les sections A et B comprennent le titre des séries
ainsi que les déscriptions des films

La Section C est classée par matière d'étude et
comporte un index séparé des séries

Pour trouver un film général, il faut
consulter toutes les sections

Quand le producteur n'est pas connu, il faut consulter
les index des titres des sections A, B et C

On peut trouver la table des matières et l'index
des titres pour chaque section dans la
Table Générale des Matières de
la collection des films de
Concordia

PREFACE

The Concordia University Film Catalogue
includes four separate collections,
each with its own section

The NFB collection (Section A)
comprises titles produced by
the National Film Board

The BIS collection (Section B)
comprises titles produced by
the British Information Services

The SGW collection (Section C)
comprises titles of various
producers, and is the
academic section

La Collection des Films en Francais (Section D)
comprises titles of various
producers, largely BIS

Each section has a separate
Table of Contents and title Index,
as the subjects listed by each section
are different and overlapping

Sections A, B and D are
classified by general subject headings

Sections A and B
include the series title
with the film descriptions

Section C
is classified by academic subject
and has a separate Series Index

To find a general film,
consult all sections

When the producer is unknown,
consult title indexes of
sections A, B and C

Location of the
Table of Contents and title Index
for each section is listed under
the Concordia Film Collection
General Table of Contents

UNIVERSITÉ CONCORDIA
SERVICE DE L'AUDIOVISUEL
RESSOURCES EN MÉDIAS VISUELS

CAMPUS SIR GEORGE WILLIAMS
PAVILLON HALL - TROISIÈME ÉTAGE

Format des films	- films sonores 16mm à moins d'indication contraire
Possibilités de visionnement	
mini-cinéma	- salle H343 (pouvant accueillir 13 personnes) - préavis de 72 heures nécessaire pour toutes les réservations - gratuit pour les usagers des campus de Concordia - taux horaires (estimations sur demande) pour les usagers de l'extérieur
Prêts de films	
à l'extérieur	- le barème des tarifs courants se trouve dans le présent catalogue - les films qui servent aux programmes d'études sont prêtés couramment dans la mesure où ils sont disponibles
Conditions des prêts	
réservations	- salle H341 - préavis d'au moins 72 heures (tél. 879-5974) - les films sont réservés pour une date précise - on peut les ramasser à la Division des ressources en médias visuels du Service de l'audiovisuel l'après-midi précédant le visionnement - ils doivent être retournés à 10h le jour suivant la projection - des dispositions peuvent être prises pour emprunter des films pour une plus longue durée moyennant des frais supplémentaires

POUR LES USAGERS DE L'INTÉRIEUR SEULEMENT

Les usagers des campus de Concordia peuvent réserver de l'équipement et les services d'un projectionniste, s'ils le désirent, lorsqu'ils font leur réservation. Dans ces cas, le matériel sera livré à la salle de cours désignée.

Usagers de l'extérieur

Expédition

- les usagers de la région de Montréal recevront le matériel port dû, par service de messager ou par train express, à temps pour la date de la projection
- les films doivent être retournés par le même mode de transport le jour suivant le visionnement, port payé
- les services postaux ne doivent pas être utilisés sans une entente spéciale
- les films doivent être emballés convenablement

Films retournés en retard

- la date de retour est spécifiée sur le bon de livraison
- pour les films retournés en retard une amende de 150% des frais est exigée, par jour ou fraction de journée, où le matériel est en retard
- la Division des ressources en médias visuels se réserve le droit d'envoyer des télégrammes en port dû ou de faire des téléphones à frais virés s'il est nécessaire de rechercher le matériel
- veuillez éviter des déceptions aux autres emprunteurs en retournant le matériel à temps
- s'il y a des problèmes, veuillez nous téléphoner immédiatement

Prolongation

- la prolongation du temps de réservation doit être demandée par téléphone seulement
- si la prolongation est possible, les frais seront perçus comme pour une autre réservation

- les réservations seront faites de nouveau moyennant un supplément de 10%

Annulation

- quand l'avis est donné moins de 48 heures avant la date d'expédition, tous les frais seront demandés
- quand l'avis est donné plus de 48 heures d'avance, des frais ne dépassant pas 50% seront demandés

Paiement

- les frais doivent être payés d'avance ou au moment du ramassage
- les établissements qui fournissent un bon de commande seront facturés

Droit d'auteur

- le matériel prêté ne peut pas être copié en aucun cas
- le matériel ne peut pas servir pour le théâtre, la télévision ou le commerce
- les privilèges d'emprunt seront révoqués quand le droit d'auteur sera violé

Responsabilité de l'emprunteur

- le matériel n'est pas assuré et il est la responsabilité de l'usager quand il se trouve en dehors des locaux du Service de l'audiovisuel
- la perte ou les dommages seront évalués selon le coût du remplacement

Manutention des films

- les emprunteurs doivent manipuler et projeter tout le matériel avec soin

À NE PAS OUBLIER

- il faut au préalable que les projectionnistes soient compétents, que l'équipement soit en bon état et que les voies d'enroulement du film soient propres

- les films doivent être rebobinés, et replacés dans leur boîte respective sur leur bobine initiale, l'amorce de sortie rouge à l'intérieur, et l'amorce-début verte à l'extérieur

- Cassures dans les films:
  - a) ne pas tenter de réparer les cassures
  - b) toujours insérer une note dans la boîte s'il y a une cassure
  - c) retourner tout le film détaché ainsi que les amorces rouge et verte
  - d) NE JAMAIS UTILISER DE RUBAN ADHÉSIF pour rafistoler des sections de films ensemble

- Équipement:
  - e) les films sonores ne doivent JAMAIS se dérouler sur un projecteur silencieux
  - f) tous les projecteurs doivent avoir une série complète de bobines réceptrices des grandeurs suivantes: 400' - 800' - 1200' - 1600' - 2000' (ces bobines de réserve ne sont pas fournies avec les films loués)
  - g) les bobines sur lesquelles les films se trouvent quand ils sont projetés doivent être de la grandeur réglementaire et en bonne condition

Le Service de l'audiovisuel se réserve le droit de cesser de donner du service à quiconque ne se conforme pas aux règlements énoncés plus haut.

Comment se procurer du matériel

Toutes les demandes de réservation doivent être envoyées à l'adresse suivante:

Ressources en médias visuels (H341)
Service de l'audiovisuel
Université Concordia, campus SGW
1455, boul. de Maisonneuve ouest
Montréal, Québec, H3G 1M8

Adresse d'expédition:

la même que celle susmentionnée

Téléphone:

879-5974
4434

CONCORDIA UNIVERSITY
AUDIO VISUAL DEPARTMENT
VISUAL MEDIA RESOURCES

SIR GEORGE WILLIAMS CAMPUS
HALL BUILDING - THIRD FLOOR

Film Format	- 16mm sound unless otherwise indicated
Preview Facilities	
Mini-Cine	- Room H343 (capacity 13 seats)
	- 72 hours advance notice necessary for all bookings
	- for Concordia campus users, available free of charge
	- for off-campus users, available at hourly rates (quotations on request)
Film Loans	
External	- a current rate card is included with this catalogue
Internal	- films for the support of academic programmes are routinely accomodated within the limits of available resources
Conditions of Loan	
Bookings	- Room H341 - minimum advance notice is 72 hours (tel. 879-5974)
	- film bookings are made for one specified date
	- pick-up may be made at AVD/VMR on afternoon preceding show date
	- return must be made by 10 a.m. of day following projection
	- longer loans may be arranged at an additional charge

INTERNAL ONLY

Concordia on-campus users may book equipment and a projectionist if desired, when film booking is made. In such cases, materials will be delivered to the designated classroom.

External

Shipping

- users outside the Montreal region will receive materials collect, by courier service or railway express, in time for projection date
- shipments must be returned by same carrier on day following screening, prepaid
- mail services should not be used without specific prior agreement
- films must be properly packed

Late Return

- "Due Back" date is specified on packing slip
- for overdue returns a fine of 150% of service charge is levied, per day or fraction thereof, that material is overdue
- VMR reserves the right to send collect telegrams or to reverse telephone charges if tracing is necessary
- please avoid disappointment to other borrowers by returning materials on time
- in event of problems, please call us immediately

Extension

- booking extension should be requested by telephone only
- if extension is possible it will be charged as an additional booking

- rescheduling of bookings will be arranged, on payment of 10% service charge

Cancellation

- where notice is given less than 48 hours in advance of shipping date, full service charge will apply

- where notice is given more than 48 hours in advance, a charge not to exceed 50% of service charges will apply

Payment

- service charges must be paid in advance or at time of pick-up

- institutions supplying a purchase order will be invoiced

Copyright

- materials on loan may not be copied under any circumstances

- materials may not be used for theatrical, television, or commercial purposes

- borrowing privileges will be revoked where copyright violations occur

Borrower Responsibility

- materials are not insured and are the responsibility of the user when outside premises of AV department

- loss or damage will be assessed at cost of replacement

Handling Films

- borrowers are required to handle and project all materials with due care and respect

REMEMBER

- competence in projectionists, efficiency of equipment, and cleanliness of film paths are prerequisites

- films should be rewound, and replaced in their respective containers on their original reels, red tail in, green head out

- Film Breaks:
  a) do not attempt to repair breakages in prints
  b) always include a note in the can if a break occurs
  c) return all detached footage, and red and green leader
  d) NEVER NEVER NEVER USE TAPE to cobble sections of film together

- Equipment:
  e) sound films should NEVER be run on a silent projector
  f) all projectors should have a complete set of take-up reels in following sizes: 400' - 800' - 1200' - 1600' - 2000' (such spare reels are not provided with film rentals)
  g) the reels on which films are wound when being projected should be of regulation size and in good condition

AVD reserves the right to suspend service to anyone not complying with stated regulations

To Obtain Materials

All booking requests should be addressed to:

Visual Media Resources (H341)
Audio Visual Department
Concordia University, SGW Campus
1455 de Maisonneuve West
Montreal, Quebec, H3G 1M8

Shipping Address:

as above

At 2100 Bishop Street, Montreal

Telephone:

879-5974
-4434

national film board collection

A - NATIONAL FILM BOARD

TABLE OF CONTENTS

page	subject
A 2	CANADA - THE LAND
A 4	CANADA - PAST AND PRESENT
A 4	History Films
A 5	Portraits - Lifestyles - Institutions
A 7	CANADA - INDUSTRY
A 10	CREATIVE ARTS
A 10	Animation And Experimental Films
A 14	McLaren Films
A 15	Painting - Sculpture - Architecture - Crafts
A 16	Performing Arts - Literature - Music
A 17	Stories For Children
A 18	SCIENCE, HEALTH AND MEDICINE
A 21	SOCIAL SCIENCE
A 21	Challenge For Change
A 22	The Citizen And Society
A 23	Education
A 24	Law Enforcement
A 24	Philosophy And Religion
A 25	Sociology
A 26	Urban Development
A 27	SPORTS AND RECREATION
A 29	THE WORLD AROUND
A 30	NFB INDEX

CANADA - THE LAND

cav114 CATTLE RANCH 19:40 mins. color NFB 1961
The life of a cowboy, filmed through the seasons on Canada's biggest cattle ranch, near Kamloops, British Columbia, with music by Pete Seeger. (Five awards, including: Locarno; Rome; Montreal.)

cav123 CONTINENTAL DRIFT 9:53 mins. color NFB 1968
An exposition by film animation of the theory that our earth's land areas are fluid and that in the process of a slow, rolling, boiling motion one part of our earth might well be engulfed and then rise again some distance away, much the same as froth on a kettle of soup. (Award: Accepted, SFTA, London.)

COSMIC ZOOM
see Science, Health and Medicine.

CITIZEN HAROLD
see Social Science - The Citizen and Society.

CITY LIMITS
see Social Science - Urban Development.

CITY OF GOLD
see Canada - Past and Present - History Films.

DEATH OF A LEGEND
see Science, Health and Medicine.

THE ENDURING WILDERNESS
see Sports and Recreation.

cav157 HELICOPTER CANADA (2 parts) 50:08 mins. color NFB 1966
A helicopter was used throughout this exploration of the ten provinces. The result of this off-the-ground portraiture is a view that is big, beautiful, a little brash and bouncy, but continually engrossing. (Awards: Oscar Nomination, Hollywood; Canadian Film Award; New Delhi.)

LEWIS MUMFORD ON THE CITY SERIES
see Social Science - Urban Development.

cav170 MAN: THE POLLUTER (2 parts) 53:20 mins. color NFB 1973
A richly illustrated cartoon film that enlarges on man's capacity to foul his own nest, and to ignore it. The film transmits its warning with unflagging humor, imagination, movement and design. Commentary by Dr. Fred Knelman, Concordia University.

cav182 THE ORIGINS OF WEATHER 12:17 mins. color NFB 1963

Illustrates, from the vantage of off-the-earth observation, the factors that produce the climate we know. Animation illustrates the earth's dynamic heat exchange - the effect of the sun's heat, the movement of air masses. Resulting weather is then shown in actuality. (Awards: Columbus, Ohio; Canadian; La Plata.)

cav186 PERSISTENT AND FINAGLING (2 parts) 56:08 mins. b&w NFB 1971

A group of Montreal housewives and members of STOP (Society To Overcome Pollution) organize to fight air pollution caused by factories in their city. Of particular interest to urban audiences and Women's Lib groups.

cav188 POISONS, PESTS AND PEOPLE (2 parts)
29:25 mins. each b&w NFB 1960

Examines the effects of widespread use of chemical insecticides, both on the insect population at large and on warm-blooded creatures, including humans.

cav197 THE RISE AND FALL OF THE GREAT LAKES
16:40 mins. color NFB 1968

A lesson in Canadian geography through time. In the film a lone canoeist lives through the changes of recent geological history, through Ice Age and flood, only to find himself in the end trapped in a sea of scum. (Five awards, including: SFTA, London; San Francisco.)

cav203 THE SHEPHERD 11 mins. b&w NFB 1956

Photographed on the grassy uplands of the British Columbia interior, the ageless theme of a shepherd caring for his flock is presented without spoken commentary. (Seven awards, including: Cork, Ireland; Edinburgh; Johannesburg.)

UNIVERSE
see Science, Health and Medicine.

CANADA - PAST AND PRESENT

HISTORY FILMS

BETHUNE
see Science, Health and Medicine.

BETWEEN TWO WARS SERIES (3 FILMS)

cav151 THE GOOD BRIGHT DAYS (1919 - 1927) 28:55 mins. b&w NFB 1960
Begins with the Armistice of 1918 and ends at the height of the great economic boom of the late Twenties. In between, the film shows the manners, morals and customs of the period, and presents evidence of Canada's growing nationalism.

cav209 SUNSHINE AND ECLIPSE (1927 - 1934) 28:57 mins. b&w NFB 1960
Confident, prosperous Canada, expanding in all directions; then the stock market crash of 1929. Fashions and foibles of the times.

cav223 TWILIGHT OF AN ERA (1934 - 1939) 29:03 mins. b&w NFB 1960
Canada still in the toils of the Depression, and in Europe the rumblings of war. A king abdicates; war in Spain, Italian aggression in Ethiopia; a German submarine torpedoes a passenger ship; again Canada takes up arms.

cav121 A CITY OF GOLD 21:40 mins. b&w NFB 1957
A nostalgic recollection of the period when the Yukon gold fever was at its height. The commentary is written and spoken by Dawson-born Pierre Berton. Vintage photographs give the film a documentary quality as it reviews the gold rush. (Twenty-one awards, including: London; Cannes; Edinburgh; Oscar nomination, Hollywood.)

cav133 DRYLANDERS (3 parts) 69:24 mins. b&w NFB 1964
The epic story of the opening of the Canadian West, and the drought that brought depression in the Thirties. In 1907, settlers trickled west to take up land on the Canadian prairies. Some found the loneliness and risk too great, and gave up. This is the story of a family that stayed and whose dream of independence sustained them until the land was tamed.

cav143 FIELDS OF SACRIFICE 38:13 mins. color NFB 1964
A film of dignity and beauty which visits battlefields of the first and second World Wars and cemeteries where Canadian servicemen are buried. Filmed in color from Hong Kong to Sicily, the film is designed to show Canadians places they have reason to know but may not be able to visit. (Awards: Columbus, Ohio; Victoria, B.C.; Canadian.)

cav193 A QUESTION OF IDENTITY: WAR OF 1812
27:56 mins. b&w NFB 1966

The feud was between the United States and Britain but Upper Canada became the battleground, and inextricably involved were pioneer farmers, many American by birth, of the upper St. Lawrence and Niagara region. When many took up arms to defend their new land against the "Yankee" marauders a feeling of Canadian identity began to emerge.

STRUGGLE FOR A BORDER SERIES: CANADA'S RELATIONS WITH THE UNITED STATES (3 FILMS)

cav178 NEW ENGLAND AND NEW FRANCE (1490 - 1763) (2 parts)
57:55 mins. b&w NFB 1967

From the first uneasy contacts to the culminating conflict - the whole struggle of New England and New France, and the economic contest between the St. Lawrence trade system and the Atlantic-Hudson system.

cav112 CANADA AND THE AMERICAN REVOLUTION (1763 - 1783) (2 parts)
57:15 mins. b&w NFB 1967

The dramatic and fateful pattern of divergence between the ambitions of the American revolutionaries and the interests of the Canadian groups along the St. Lawrence. The flames of hostile rebellion spread northward but Canada resists encroachment.

cav231 THE WAR OF 1812 (1783 - 1818) (2 parts)
56:11 mins. b&w NFB 1967

The Canadian-British-American struggle for the Ohio valley; the War of 1812 and its contribution to American and Canadian nationalism; some sardonic looks at the myths of that war.

cav221 TURN OF THE CENTURY 28:05 mins. b&w NFB 1964

A glance at Canada's yesteryears, at people and events, fashions and foibles, at the end of the 19th century and the beginning of the 20th. Made up of old photos and fragments of silent movies.

WOMEN ON THE MARCH
see Social Science - The Citizen and Society.

PORTRAITS - LIFESTYLES - INSTITUTIONS

THE BALLAD OF CROWFOOT
see Social Science - Challenge for Change.

CITY OF GOLD
see Canada - Past and Present - History Films.

cav124 CORRAL 11:27 mins. b&w NFB 1954
The roping and riding of a high-spirited horse. Movement and music tell a story without words, set in the foothills of Alberta, about a man's struggle to master a horse. The music, played on the guitar, consists of variations on Western ballads. (Five awards, including: Venice; Edinburgh; Golden Reel, U.S.A.)

ENCOUNTER WITH SAUL ALINSKY - PART II: RAMA INDIAN RESERVE
see Social Science - Challenge for Change.

GLOOSCAP COUNTRY
see Sports and Recreation.

HAIDA CARVER
see Creative Arts - Painting, Sculpture, Architecture, Crafts.

THE LIVING STONE
see Creative Arts - Painting, Sculpture, Architecture, Crafts.

cav176 NAHANNI 18:24 mins. color NFB 1962
The legend of a lost gold mine and a river in the Northwest Territories that lures men to their doom. An aging prospector takes a route through a wild and awesome land particularly suited to the mood of this Canadian odyssey. (Seven awards, including: Berlin; Acapulco; Canadian.)

cav191 A PROPAGANDA MESSAGE 13:18 mins. color NFB 1974
A cartoon film about the whole heterogeneous mixture of Canada and Canadians, and the way the invisible adhesive called federalism makes it all cling together. (Awards: Canadian; New York.)

STATION 10
see Social Science - Law Enforcement.

TUKTU AND THE SNOW PALACE
see Creative Arts - Stories for Children.

CANADA - INDUSTRY

CATTLE RANCH
see Canada - The Land.

CITY OF GOLD
see Canada - Past and Present - History Films.

CORPORATION SERIES (7 FILMS)
The story of Steinberg's Limited of Montreal. Probably the most explorative, intimate observations undertaken on film, of the management, operations and social role of a major Canadian corporation.

cav110 BILINGUALISM (#5) 28:44 mins. b&w NFB 1973
An intimate view of a wide-open management's handling of a problem with parallels far beyond the borders of Quebec. How Steinberg's comes to grips with one of the major challenges it faces - the bilingual, bicultural nature of the Quebec society in which this corporation functions.

cav153 GROWTH (#1) 28:44 mins. b&w NFB 1973
Sam Steinberg reminisces over the fifty years of his company's growth into a large, diversified corporation. In this film you see the process continuing as corporation executives meet to consider the acquisition of a soft-drink subsidiary, and other inter-related operations, projects and priorities.

cav162 INTERNATIONAL OPERATIONS (#6) 28:44 mins. b&w NFB 1973
The arrival of Steinberg's French affiliate, Supermarchés Montréal, on the outskirts of Paris is viewed here from the point of view of its cultural effects: the impact of the supermarket on the shopping and eating habits of France; and more.

cav171 THE MARKET (#3) 28:44 mins. b&w NFB 1973
A look at corporate tactics in the three-way tug-of-war between suppliers, competitors and consumers. In the price squeeze that results the corporation must try to hold its own. One strategy is to own or control plant facilities to produce its own brands of foodstuffs and merchandise.

cav175 MOTIVATION (#4) 28:44 mins b&w NFB 1973
For the entrepreneur himself, as Sam Steinberg reveals, the motive for building a business soon surpasses the practical one of making a living. It becomes a creative activity. Where jobs are interesting and challenging there is a sense of meaningful participation and identification. Involved are the corporation's 20,000 employees, from top executive to cashiers.

cav195 REAL ESTATE (#2) 28:44 mins. b&w NFB 1973
This film looks at Steinberg's expansion program. The corporation's real estate and other executives discuss a proposed new site, weighing factors of population, consumer potential, accessibility, and timing.

cav101 AFTER MR. SAM (#7) (3 parts) 77:43 mins. b&w NFB 1974
Sprinkled with Sam Steinberg's reminiscences and reflections on business, full of insights into the workings of a large corporation, and clashes of interest and character, the film presents an intimate study of a struggle for position and power. Faced with the stepping down of Sam Steinberg as president, ambitious top-level executives thrash out their differences on matters of corporation policy and objectives, ever aware of the crucial issue: Who will be president - after Mr. Sam?

CORRAL
see Canada - Past and Present - Portraits, Lifestyles, Institutions.

DRYLANDERS
see Canada - Past and Present - History Films.

cav147 THE FOREST 20:50 mins. b&w NFB 1965
A graphic, highly engaging view of the age of the eastern pine tree when all the valleys north of the Ottawa River rang with axes and the crash of towering trees. (Awards: Cork, Ireland; Yorkton, Saskatchewan.)

cav173 MEN AND AUTOMATION 30:00 mins. b&w NFB 1958
What has been the effect of automation to date and what has been learned during the course of its use? This film contrasts labor's concern over the displacement of men by machines with the more optimistic view that automation can bring new opportunities.

cav174 MEN AND MECHANIZATION 30:00 mins. b&w NFB 1958
A study of the development of mechanization from the time the wheel was invented. The film reviews advances made in Canadian industry up to the newest phase, automation. Discussion from labor's and industry's points of view.

POISONS, PESTS AND PEOPLE
see Canada - The Land.

RATOPOLIS
see Science, Health and Medicine.

cav202 SENIORITY VERSUS ABILITY 12:33 mins. b&w NFB 1968
A sensitive issue in almost every plant: the question of whether a new, attractive job should go to the man who has served the company long and well, or to a younger man, low in seniority but who, in the eyes of management, represents a better long-term investment. This is a film for discussion.

THE SHEPHERD
see Canada - The Land.

TILT
see The World Around.

cav232 WHERE HAVE ALL THE FARMS GONE? 16:08 mins. color NFB 1969
Tumbledown, weatherbeaten, old barns and dwellings stand like gaunt skeletons of other times, reproachful of an economy that let them down. Unable to compete with food-chain marketing, the farmers have moved into town. Filmed in the upper Ottawa Valley, this film carries nostalgia in its mute question: What price progress? (Award: New York.)

CREATIVE ARTS

ANIMATION AND EXPERIMENTAL FILMS

cav102 ANGEL 6:54 mins. color NFB 1966
This is a film about a young man, a girl and a dog, in which the visuals are overexposed or, more technically, given a high contrast. The effect is of black-and-white silhouette figures with the picture flattened. Music is by poet Leonard Cohen, played by The Stormy Clovers. (Awards: Columbus, Ohio; Toronto; Montreal; Vancouver.)

THE ANIMAL MOVIE
see Creative Arts - Stories For Children.

cav104 AROUND PERCEPTION 16:27 mins. color NFB 1968
An experiment in employing computers to animate film. The result is a dazzling vibration of geometric forms in vivid color, an effect achieved by varying the speed at which alternate colors change, so producing optical illusions. Sound effects are created by registering sound shapes directly on the sound track of the film. (Award: Buenos Aires.)

cav105 BALABLOK 7:27 mins. color NFB 1972
Here is an animated replay of the human comedy as amusing in its perception as in the way it caricatures man's propensity to resort to violence rather than reason. The whole arena of conflict is reduced to its simplest dimensions - cubes and balls representing opposing protagonists. Why they fight and what happens after the battle is a parody of human nature. A film without commentary. (Awards: Palme d'Or, Cannes, France; Colombo, Sri Lanka; Buenos Aires.)

cav113 CARROUSEL 7:25 mins. color NFB 1967
A visual poem, vivid, lyrical, as intriguing in its color phantasy as in the beauty of its images. This is an escape from a merry-go-round of painted horses suddenly turned to flesh and blood, making a wild plunge for freedom. But these are horses of extraordinary color - lime, mauve, bronze and gold - as if caught in some mysterious kaleidoscope of the dawn. A triumph of technical virtuosity, these unusual effects were achieved in the printing process. (Awards: Teheran; Colombo; Tel Aviv; Philadelphia.)

CITIZEN HAROLD
see Social Science - The Citizen and Society.

CITY OF GOLD
see Canada - Past and Present - History Films.

COSMIC ZOOM
see Science, Health and Medicine.

DANCE SQUARED
see Social Science - Education.

THE DRAG
see Science, Health and Medicine.

ESPOLIO
see Social Science - Philosophy and Religion.

cav140 EVOLUTION 10:21 mins. color NFB 1971
What better subject for the cartoonist than the story of how life came into being on this planet? Darwin himself might get a chuckle from the way Michael Mills describes the process in this animation film. It's all here, but funnier, more indelible than any learned treatise could render - right from the time when single-celled amoebae romped about the ocean depths, until the first amphibious creatures crawled onto land, eventually to become the progenitor of homo sapiens himself. (Eleven awards, including: Oscar nomination, Hollywood; Canadian.)

cav146 FLUXES 23:50 mins. b&w NFB 1967
An Arthur Lipsett view of the human condition and the mixed-up planet where humans are found. As in his other films, Fluxes has a disconnected flow of images which, in their erratic way, build up into a cutting indictment of the world the way it is. The film's only commentary is equally unrelated snatches of words and sounds.

FOUR-LINE CONICS
see Social Science - Education.

cav152 THE GREAT TOY ROBBERY 6:45 mins. color NFB 1964
A spoof of the wild west - a color cartoon starring the world's most-wanted good guy, Santa Claus. As in all westerns, good wins over evil, but not before robbers and robbed have romped through some odd situations. (Awards: Cork; Belgrade; New York.)

cav155 THE HALF-MASTED SCHOONER 6:31 mins. color NFB 1969
A film combining a tuneful ballad with an equally engaging kaleidoscope of pictures, some relating to the story of the song and some not, but all most cheering or amusing to the eye. The soft focus of the live photography and the pleasing patterns of abstract designs, link with the relaxed mood of the ballad into an agreeable interlude of sights and sounds.

cav158 HUNGER 11:22 mins. color NFB 1973
Animated film satire of self-indulgence in a hungry world. Rapidly dissolving, reshaping images, made with the aid of a computer, create a stark contrast between abundance and want. A film without words. (Awards: Cannes; Edinburgh; Chicago; Barcelona.)

cav159 "IF HE IS DEVOURED, I WIN" 4:45 mins. color NFB 1969
A film, impressionistic in its imagery, where the viewer draws his own parallel between the pictures on the screen and the experiences of life. Distrust and estrangement, parting and death, the perennial renewal of hope, all are symbolized in sharply etched happenings.

cav167 LEGEND 15:11 mins. color NFB 1970
A beauty-and-the-beast tale, but enhanced and embellished by the film-maker's art. Here the screen becomes a luminous, shimmering dance of colors from which the story's characters emerge like ephemeral beings from some mystic world, then melt away again into the chimerical void from which they came. The story is based on a West Coast Indian legend. The feats that the youth must perform to win his fair maiden are distinctly Indian ones, and masks are used in the telling of the story.

MAN: THE POLLUTER
see Canada - The Land.

cav172 MATRIOSKA 4:46 mins. color NFB 1970
This is a dance of Russian dolls, as lively in its way as any performance of the Moiseyev Company. But these are painted wooden dolls, hollow inside and of graded sizes so that the largest holds all the rest. What the animator does with them makes a charming film fantasy. They twirl, swing and sway to gay Russian tunes but never lose their fixed reserve. When the dance ends they hop up in turn into the mother figure and hurry off the scene. (Award: New York.)

cav187 POEN 4:35 mins. b&w NFB 1967
A prose poem read by Leonard Cohen from his novel *Beautiful Losers* to the accompaniment of diverse photographs and other illustrations. While the poet reads, the camera moves in and out of the pictures, often with surrealistic effect. (Awards: Bilbao; Oberhaussen.)

cav211 SYRINX 2:54 mins. b&w NFB 1965
Syrinx is the first film of a young artist from Norman McLaren's student group. To illustrate the ancient Greek legend of how Pan made his pipes he employs various charcoal sketches. Accompanying music is Claude Debussy's "Syrinx" for solo flute. (Four awards, including: Addis Ababa; San Francisco.)

cav212 A TALE OF MAIL 16:50 mins. color NFB 1966
An animated film, in co-operation with the Canada Post Office, in which the artist has free rein to show how he thinks letters got from one place to another in the early days of Canadian transportation.

TAX IS NOT A FOUR-LETTER WORD
see Social Science - The Citizen and Society.

TILT
see The World Around.

cav217 TO SEE OR NOT TO SEE 14:31 mins. color NFB 1969
Here the Czech film-artist, Bratislav Pojar, makes amusing reflection on our habit of looking before we leap. What he shows us is the little man inside each of us, the cautious character we all know, who acts to keep us out of trouble but also in a state of defeat. Is there a cure for this reluctance to face up to life in the raw? The film shows there is. With the Pojar charm working for you, your worst fears suddenly look plain silly.

cav222 21-87 9:33 mins. b&w NFB 1964
By Arthur Lipsett, wry commentary on machine-dominated man, the man to whom nothing matters, who waits on chance for his number to come up. The film is a succession of many unrelated views of the passing crowd. (Awards: Chicago; Ann Arbor, Mich.; Palo Alta, Calif.)

UNIVERSE
see Science, Health and Medicine.

cav226 VERY NICE, VERY NICE 6:59 mins. b&w NFB 1961
This film looks behind the business-as-usual face we put on life and shows anxieties we want to forget. Made of dozens of pictures that seem familiar, with fragments of speech heard in passing and, between times, a voice saying, "Very Nice, Very Nice." (Awards: Tours, France; Columbus, Ohio; Oscar nomination, Hollywood.)

cav227 VOLLEYBALL 9:57 mins. b&w NFB 1966
An encounter between Russian and American volleyball teams presented more as an essay in the choreography of the players' movements than a play-by-play report of a sports event. (Award: Moscow.)

cav229 WALKING 5:06 mins. color NFB 1968
An artist's observation of the way people walk. Ryan Larkin employs a variety of techniques - line drawing, color wash, etc. - to catch and reproduce the motion of people afoot.

MCLAREN FILMS

cav108 BALLET ADAGIO 9:59 mins. color NFB 1971

A slow-motion study by Norman McLaren, of the pas-de-deux adagio, one of the most exacting and difficult dances of classical ballet. A film to heighten the aesthetic appreciation of classical ballet and to afford observation of the technique and mechanics of the adagio movements. (Awards: Melbourne; Atlanta; Columbus, Ohio.)

cav131 DOTS 2:23 mins. color NFB 1949

An experimental film, in which both sound and visuals were created entirely by the artist drawing directly upon the film with ordinary pen and ink. The main title is in eight languages. (Five awards, including: Rome; Canadian.)

cav141 THE EYE HEARS - THE EAR SEES (2 parts) 58:36 mins. color NFB 1970

Gavin Millar of the BBC talks with Norman McLaren and another NFB film animator, Grant Munro, and shows many examples of the development the McLaren style, from his earliest to his most recent films. (Awards: New York; Montevideo; Philadelphia.)

cav169 LOOPS 2:43 mins. color NFB 1952

An experimental film, in which both sound and visuals were created entirely by McLaren drawing directly upon the film with ordinary pen and ink. The titles are in eight languages. (Awards: Canadian; Salerno; Rome.)

cav177 NEIGHBORS 8:10 mins. color NFB 1952

The story is a simple parable about two people who after living side by side with mutual friendliness come to blows over the possession of a flower that one day grows where their properties meet. (Eight awards, including: Hollywood Oscar; Rome.)

cav184 PAS DE DEUX 13:22 mins. b&w NFB 1967

Norman McLaren takes a hand at the choreography of ballet with cinema effects that are all that you would expect from this master of improvisation in music and illustration. By exposing the same frame as many as ten times the artist creates a multiple image of the single dancer and her partner. A bare, black stage and the white-lighted figures, plus the remote, airy music of Panpipes, produce quiet and detachment. (Sixteen awards, including: Oscar nomination, Hollywood; Canadian Film Award; British Film Award; American Film Festival.)

cav210 SYNCHROMY 7:27 mins. color NFB 1971

Here are pyrotechnics of the keyboard, but with only a camera to "play the tune." To make this film Norman McLaren employed novel optical techniques to compose the piano rhythms of the soundtrack. These he then moved, in multi-color, onto the picture area of the screen so that, in effect, you see what you hear. It is synchronization of image and sound in the truest sense of the word. (Eight awards, including: San Francisco; Barcelona; Melbourne.)

PAINTING - SCULPTURE - ARCHITECTURE - CRAFTS

cav138 ESKIMO ARTIST - KENOJUAK 19:49 mins. color NFB 1964
Beautiful Eskimo prints by an artist who is also wife and mother. This film shows how the Eskimo artist's drawings are transferred to stone and then printed for sale. (Fourteen awards, including: Oscar nomination, Hollywood; British Film Academy; New York.)

cav154 HAIDA CARVER 12:13 mins. color NFB 1964
On Canada's Pacific coast this film finds a young Haida Indian artist shaping miniature totems from argillite, a stone-like jet. The film follows the artist to the island where he finds the stone, and then shows how he carves it in the manner of his grandfather who taught him the craft.

cav161 IN SEARCH OF MEDEA: THE ART OF SYLVIA LEFKOVITZ
14:10 mins. color NFB 1966
Canadian sculptress and painter Sylvia Lefkovitz, seen on a trip to Greece where she finds the inspiration for her sculpture representing the Medea of Euripedes' play. She does her casting by what is known as the "lost wax" process. The finished works in bronze are displayed, as well as some canvases she painted.

cav165 KURELEK 10:07 mins. color NFB 1966
(Canadian Artist Series.) Self-taught, immigrant homesteader William Kurelek painted prairie farm life as well as that part of the Ukraine of which his father often spoke. The film is a portait of a life that is past, of a father and a son, all with gentle pride and even more gentle humor.

cav168 THE LIVING STONE 30:30 mins. color NFB 1958
This film shows the inspiration, often related to belief in the supernatural, behind Eskimo sculpture. The Eskimo's approach to the work is to release the image he sees imprisoned in the rough stone. (Twelve awards, including: Oscar nomination, Hollywood; Robert J. Flaherty; London.)

PORTRAIT OF THE ARTIST
see The World Around.

cav192 QUEBEC EN SILENCE 9:50 mins. color NFB 1969
The paintings and style of Jean-Paul Lemieux, who put on canvas his feeling and observation of the Quebec rural scene during the period between the first and second world wars. His pictures show a Quebec of close-knit families, ordered villages and community life centered largely on the church. It is a quiet, peaceful world of another time and the film presents it, for the most part, without commentary.

cav201 SCRIPT TO SCREEN 21:55 mins. color NFB 1972
A film to explain the basic steps of motion picture production, all the way through direction, photography, editing, sound effects, synchronization of sound and visuals, various laboratory processes. Film-making is seen to be a craft of many hands and minds. (Cinema Course, SGW, Concordia.)

cav225 VAILLANCOURT 18:21 mins. b&w NFB 1964
An introduction to Armand Vaillancourt, Montreal sculptor whose abstract iron works are a subject of much discussion. Vaillancourt works with a hammer, axe and cutting torch. A sweltering foundry is his studio. You see him at work on a commissioned monument, and the film records some public reaction to it on first viewing.

cav235 THE WORLD OF DAVID MILNE 12:25 mins. color NFB 1963
(Canadian Artists Series.) A lively, exciting experience of art, from the words and paintings of David Milne. Milne's letters are read as commentary. This film shows many of his paintings, including a sequence that allows you to observe the development of the style that was so uniquely his own. (Award: New York.)

PERFORMING ARTS - LITERATURE - MUSIC

cav107 BALLERINA 28:03 mins. b&w NFB 1963
A film about Canadian ballet dancer Margaret Mercier. Prima ballerina of Les Grands Ballets Canadiens, graduate of Sadler's Wells Ballet, and student of the Bolshoi Ballet, Miss Mercier talks about her art. The film follows her through rehearsal and a scene from Cinderella. (Award: Columbus, Ohio.)

BALLET ADAGIO
see Creative Arts - McLaren Films.

THE HALF-MASTED SCHOONER
see Creative Arts - Animation and Experimental Films.

cav166 LADIES AND GENTLEMEN . . . MR. LEONARD COHEN
41:01 mins. b&w NFB 1965
This film presents an informal portrait of the Montreal poet, on the platform reading to his audience, at other times alone, or with family or friends. (Awards: Canadian; New York; Philadelphia.)

cav181 ONCE UPON A PRIME TIME 16:48 mins. b&w NFB 1966
A film about a housewife who lost her family to the television set. A spoof of television fare and those who succumb to it, the film has many amusing moments.

OVERTURE
see The World Around.

POEN
see Creative Arts - Animation and Experimental Films.

cav196 THE RED KITE 17:05 mins. color NFB 1965
A film taken from a collection of short stories by Canadian author Hugh Hood. The story is about a red kite that a man buys for his young daughter. This leads to encounters with strangers that cause him to wonder about the whole purpose and meaning of life. (Awards: Columbus, Ohio; New York.)

STORIES FOR CHILDREN

cav103 THE ANIMAL MOVIE 9:48 mins. color NFB 1966
An animated cartoon to help children explore why and how animals move as they do. (Four awards, including: Venice; La Plata.)

THE DRAG
see Science, Health and Medicine.

THE GREAT TOY ROBBERY
see Creative Arts - Animation and Experimental Films.

cav220 TUKTU AND THE SNOW PALACE 14:13 mins. color NFB 1967
(The Stories of Tuktu Series.) After going on a trek to new hunting grounds, Tuktu's family and friends build igloos, in particular a giant igloo where feasting, dancing and games take place.

SCIENCE, HEALTH AND MEDICINE

cav109 BETHUNE (2 parts) 58:38 mins. b&w NFB 1964
A film biography of Dr. Norman Bethune, Canadian doctor who served with the Loyalists during the Spanish Civil War, and with the North Chinese army during the Sino-Japanese war. This hour-long documentary pieces together his remarkable career. (Five awards, including: Edinburgh; Melbourne.)

cav111 BORDERLINE 28:57 mins. b&w NFB 1956
This story of conflict and rebellion in a teenage girl illustrates the problems of emotional adjustment experienced by many adolescents in their striving toward maturity. As the film reviews the girl's problems, we see how teen-agers may be helped to weather these turbulent years.

cav125 COSMIC ZOOM 8:00 mins. color NFB 1968
This film probes the infinite magnitude of space and its reverse, the ultimate minuteness of matter. Animation art and animation camera achieve this journey to the farthest conceivable point of the universe and then into the tiniest particle of existence - an atom of a living human cell - with a freshness and clarity that would seem impossible with other means of exposition. (Awards: Bilbao; Buenos Aires; Philadelphia; Berlin.)

DANCE SQUARED
see Social Science - Education.

cav128 DEATH OF A LEGEND (2 parts) 50:37 mins. color NFB 1971
The wolf is yet another species threatened by man and his technology, and largely because of unfounded myths that have grown up around it. This film disproves many of the fallacies, and contains some exceptional footage showing the wolf's life-cycle and the social organization of the pack. (Six awards, including: Canadian; New York; Brussells.)

cav129 THE DISCOVERY OF INSULIN 17:55 mins. b&w NFB 1961
Here is the inspiring story of how, in July 1921, in a little-used laboratory at the University of Toronto, two young Canadians, Dr. Frederick Banting and Charles Best, discovered insulin, giving hope of life and health to the world's millions of diabetics.

cav130 DNA 10:40 mins. color NFB 1968
The genetic material, dioxyribonucleic acid, or DNA - the hereditary material of life - is described and illustrated in this film by color animation. Mutations are also discussed. A film for science students. (Awards: Teheran; Buenos Aires.)

cav132 THE DRAG 8:37 mins. color NFB 1965

A color cartoon about tobacco addiction and the difficulty of breaking the habit. This case history of a chain smoker explains the whole psychology of the smoking habit and the part that cigarette advertising plays in making it stick. (Awards: Oscar nomination, Hollywood; New York; Columbus, Ohio; Varna, Bulgaria.)

cav134 THE EMBRYONIC DEVELOPMENT OF FISH

27:38 mins. color NFB 1961

A film showing and explaining what happens in the egg of a fish from fertilization to hatching. Probably the most complete account of fish embryology so far recorded on film. University level. (Six awards, including: Berlin; Buenos Aires.)

THE ENDURING WILDERNESS
see Sports and Recreation.

EVOLUTION
see Creative Arts - Animation and Experimental Films.

FOUR-LINE CONICS
see Social Science - Education.

NOTES ON A TRIANGLE
see Social Science - Education.

POISONS, PESTS AND PEOPLE
see Canada - The Land.

cav194 RATOPOLIS (2 parts) 56:40 mins. color NFB 1973

A study of the wily brown rat, man's unwanted companion throughout the world, whose bite on the world's food resources adds to the growing threat of shortage. The film has implicit analogies for all animal behavior, including man's. Plagues, predators and extermination attempts are among the topics discussed. (Canadian Film Award.)

SCRIPT TO SCREEN
see Creative Arts - Painting, Sculpture, Architecture, Crafts.

TO SEE OR NOT TO SEE
see Creative Arts - Animation and Experimental Films.

cav219 TROUT STREAM 9:30 mins. color NFB 1961

From the rocky bottom of a stream this film brings you a remarkable study of the eastern brook trout, showing how instinct protects a fish and lets it survive, and how the same instinct holds it prisoner of its environment.

cav224 UNIVERSE 26:10 mins. b&w NFB 1960

A triumph of film art, creating on the screen a vast, awe-inspiring picture of the universe as it would appear to the voyager through space. Realistic animation takes you into far regions of space, beyond the reach of the strongest telescope, past moon, sun, Milky Way, into galaxies yet unfathomed. (Twenty-three awards, including: Cannes; Edinburgh; London.)

cav236 THE WORLD OF THREE 27:56 mins. b&w NFB 1966

When you are only three years old, home can be big and bewildering and everybody in it ten feet tall. In this film there is no analysis of child behavior, only the camera observing, recording. But more eloquent than commentary is the face of the little boy as it reflects what it means to be on the receiving end of what is called "child training". (Awards: Buenos Aires; La Plata, Argentina.)

YOU DON'T BACK DOWN
see The World Around.

SOCIAL SCIENCE

CHALLENGE FOR CHANGE

cav106 THE BALLAD OF CROWFOOT 10:18 mins. b&w NFB 1968
An impressionistic, haunting, often bitter account of the opening of the Canadian West, presented through still photography and the words and music of Willie Dunn, a Micmac from Montreal. (Awards: Chicago; San Francisco; Montevideo.)

cav115 CITIZEN HAROLD 8:37 mins. color NFB 1971
An animated film about one man's attempt to bring about changes in his community through participation with fellow citizens and the local government. (Awards: New York; Melbourne; Columbus, Ohio.)

cav135 ENCOUNTER WITH SAUL ALINSKY - PART I
(CYC, TORONTO) 28:48 mins. b&w NFB 1967
This film documents a lively confrontation between Saul Alinsky, a professional activist from the United States whose efforts have been directed toward organizing the poor, and several members of the Company of Young Canadians. In what he and the CYC members say about the means and the costs of securing social change there is expressed the dilemma, the doubts and the challenge facing all socially engaged people.

cav136 ENCOUNTER WITH SAUL ALINSKY - PART II
(RAMA INDIAN RESERVE) 32:06 mins. b&w NFB 1967
A provocative film in which young, articulate Indians test their inherent, tolerant philosophy against the more pragmatic ideas of Saul Alinsky. The Indians argue for a revision of the hundred-year-old Indian Act by peaceful persuasion. Alinsky advocates a more direct development of power to bring about the changes they seek.

cav200 SAUL ALINSKY WENT TO WAR (2 parts)
57:10 mins. b&w NFB 1968
Saul Alinsky, controversial professional organizer, goes to war against the conditions that keep the poor in poverty. The film shows how he has helped Black ghettos in the United States find an effective non-violent method to fight for their rights. (Awards: New York; Columbus, Ohio.)

cav215 THE THINGS I CANNOT CHANGE (2 parts)
55:05 mins. b&w NFB 1966
A look at a family in trouble, seen from the inside. There is trouble with the police, the begging for stale bread at the convent, the birth of another child and the father who explains his family's predicament. Although filmed in Montreal, this is the anatomy of poverty as it occurs in North America, seen by a camera that becomes part of family life for several weeks. (Six awards, including: Montreal; Robert J. Flaherty; Washington, D.C.)

cav228 VTR ST-JACQUES 26:25 mins. b&w NFB 1969
An experiment in using videotape recording (VTR) and closed circuit television to stimulate social action in a poor district of Montreal. A citizens' committee, formed in the downtown neighborhood of St-Jacques, was given a VTR unit which they used to record people's problems and concerns. After viewing the edited tapes, people recognized their common problems and began to talk of joint solutions.

cav233 WILF 20:41 mins. color NFB 1968
Filmed in the Ontario countryside, with a camera sensitive to the beauty of the scene, this film shows that farm life is changing and that for some farmers the future looks bleak. What to do with farmers and farms that no longer measure up to the increased competition and costs is discussed by the film.

THE CITIZEN AND SOCIETY

CITIZEN HAROLD
see Social Science - Challenge for Change.

cav127 A DAY IN THE NIGHT OF JONATHAN MOLE
29:03 mins. b&w NFB 1959
A film for frank discussion of the causes and consequences of racial prejudice, particularly as it restricts a man's chances for employment. The film is in the form of a fantasy in which the worst can, and does, happen.

PERSISTENT AND FINAGLING
see Canada - The Land.

STATION 10
see Social Science - Law Enforcement.

TAX IS NOT A FOUR-LETTER WORD 9:00 mins. color NFB 1967
A musical cartoon about the most misunderstood servant of us all, the income tax collector. But in this film he no longer remains unloved, unsung, once people understand that the money he collects is really for everyone's benefit.

cav234 WOMEN ON THE MARCH (2 parts)
29:18 mins. each b&w NFB 1958
A film record of the tempestuous struggle for equal rights that characterized the suffragette movement since it began in England before the turn of the century. The film is divided into two parts, the first dealing with the fight for the franchise until it was finally attained after World War I, the second with the status of women today. (Awards: Cannes, France; New York.)

YOU'RE NO GOOD
see Social Science - Sociology.

EDUCATION

cav126 DANCE SQUARED 3:30 mins. color NFB 1961

This film is an encounter with geometrical shapes, which children can readily understand and enjoy. It employs movement, color, and music to explore the symmetries of the square. (Five awards, including: Chicago; Teheran; Canadian.)

DRYLANDERS

see Canada - Past and Present - History Films.

cav148 FOUR-LINE CONICS 10:42 mins. color NFB 1961

An experimental mathematics film designed to elucidate in a new and stimulating way the study of four-line conics. This is a film of great value in advance mathematics but is also of aesthetic appeal to the layman. (Seven awards, including: London; Budapest.)

cav149 THE GIFTED ONES 22:00 mins. b&w NFB 1959

Some say gifted children should be taught in a class of their own. Others say that the average classroom is better for them. This film presents the views of two prominent Canadian educators: Dr. Florence Dunlop, Ottawa, and Dr. T. W. Martin, Toronto.

cav164 KNOWING TO LEARN (3 parts) 71:29 mins. b&w NFB 1966

A far-ranging round-up of all that is new in technology in the classrooms of North America, demonstrating, among other approaches, the new roles of a computer, tape recorder and television in the learning process. The film was produced with the assistance of many institutions and individuals in the United States engaged in experiment and research into all forms of education from infancy to adulthood. (Five awards, including: Venice; Canadian.)

cav179 NO REASON TO STAY 27:57 mins. b&w NFB 1966

A look at the school drop-out and what he drops out from. The film takes a deliberately biased look at today's educational system and how it fails, if it does, to give young people the prepation they need for adult life when school doors close behind them. (Five awards, including: New York; Buenos Aires.)

cav180 NOTES ON A TRIANGLE 4:56 mins. color NFB 1966

This film shows the triangle splitting into some three hundred transformations, dividing and subdividing with grace and symmetry to the music of a waltz. (Six awards, including: Canadian; London; Melbourne.)

cav185 PERCEPTUAL LEARNING 11:43 mins. b&w NFB 1965

(From the Psychology Topics for Discussion Groups Series.) This film contains three demonstrations by Dr. D. C. Donderi, showing the importance of experience in determining what we see. Each illustrates a recent development in visual perception.

SCRIPT TO SCREEN
see Creative Arts - Painting, Sculpture, Architecture, Crafts.

cav206 SUMMERHILL 27:58 mins. color NFB 1966
A visit to a school without fixed rules, where no one studies except as he wishes, and where each student is his own master. A co-educational English boarding school, Summerhill was founded by Alexander Neill forty-five years ago. In the film he explains his objectives, and from the activities of the children at work and play can be seen how his methods work.

cav214 THE TEST 28:38 mins. color NFB 1961
Does a little cheating matter? Focus of this film is a conflict that arises in a community when an idealistic teacher chooses to resign her position rather than condone cheating in the classroom. (Awards: Columbus, Ohio; New York; Yorkton.)

TOYS
see Social Science - Sociology.

cav230 WALLS OF MEMORY 27:00 mins. b&w NFB 1964
A tribute, on the occasion of its 300th anniversary, to French Canada's first classical college, the seminary of Quebec, founded by the first bishop of Quebec, by consent of King Louis XIV of France. (Canadian Film Award.)

LAW ENFORCEMENT

cav205 STATION 10 (2 parts) 57:50 mins. color NFB 1973
This is a factual account of the life of policemen at one station in Montreal, drawn from sixty days and nights of on-the-spot filming. It is a view of life in the inner city that usually only the policeman has reason to encounter. (Awards: Canadian; Melbourne.)

PHILOSOPHY AND RELIGION

cav139 ESPOLIO 6:26 mins. color NFB 1970
A film based on a poem by Earle Birney and a painting by El Greco in Madrid's Prado Museum. The theme concerns the responsibility of the innovator for the things he makes. In the film a carpenter builds a cross but is reluctant to become involved in the right or wrong of situations that bring men to die on crosses. His interest is in his own craftmanship. To illustrate this moral the film-maker used light pen drawings given color and emphasis through optical processes. (Five awards, including: New York; Melbourne.)

THE INDIA TRIP
see The World Around.

SOCIOLOGY

cav100 ACTION: THE OCTOBER CRISIS OF 1970 (3 parts)
87:09 mins. color NFB 1973
This film puts the October Crisis in the long perspective of history. Compiled from news and other actuality film, it shows independence movements past and present, and their leaders; it reflects the mingled relief, dismay, defiance when the Canadian army came to Montreal; and it shows how political leaders viewed the intervention.

BALABLOK
see Creative Arts - Animation and Experimental Films.

cav145 FLOWERS ON A ONE-WAY STREET (2 parts)
57:10 mins. b&w NFB 1967
This film records what happened after young people in Toronto staged demonstrations to have Yorkville Avenue closed to traffic, and civic authorities used corresponding persuasions to keep it open as a necessary traffic artery. (Awards: Chicago; New York.)

HUNGER
see Creative Arts - Animation and Experimental Films.

cav199 SATAN'S CHOICE 27:56 mins. b&w NFB 1965
A rare "in" view of a motorcycle club in Toronto, one of a network of such fraternal groups spotted across North America. The names they give themselves are as individual as their special ethics and views of life, all freely expressed in this film.

cav218 TOYS 7:46 mins. color NFB 1966
It begins with the faces of children outside a toy store at Christmas - but then the war toys appear and we realize that some games are played for keeps This film has no commentary although it is easy to see what it aims to show. War toys do not necessarily make warriors but it is possible that they do give a false glamour to the deadly pursuit. With toys that keep up with the times this film creates a battle that is all too real and frightening. (Awards: London; La Plata.)

cav238 YOU'RE NO GOOD 28:00 mins. b&w NFB 1965
A film of youth, and the impulses of youth that at times clash with society's need for circumspection, law and order. The youth is Eddie (Michael Sarrazin), and his mistake was to "borrow" a motorbike parked in front of a store. He takes his girl for a spin and then the law steps in. The film is a commentary on a society that often offers youth little purpose or sense of accomplishment.

URBAN DEVELOPMENT

cav120 CITY LIMITS 28:45 mins. color NFB 1971
Forthright, critical analysis of the problems of North American cities by Jane Jacobs, authority and author of books and articles on the subject. Former New Yorker, she chose to live in Toronto because "it is a city that still has options. . . it hasn't made so many mistakes that it's bound to go downhill." Her remarks, and what this film shows, will interest all civic and community groups - in fact, all urban dwellers.

LEWIS MUMFORD ON THE CITY SERIES (5 FILMS)

cav119 1. THE CITY: HEAVEN AND HELL 28:58 mins. b&w NFB 1963
An outline of the opposed natures -- creative and destructive -- of the city in history, the elements that created the first cities about five thousand years ago, and the forces that now threaten "man's most precious collective invention".

cav118 2. THE CITY: CARS OR PEOPLE? 27:56 mins. b&w NFB 1963
A study of an old but dangerously growing problem - how to make the city accessible for meeting and mixing without allowing the automobile to make it congested and uninhabitable.

cav116 3. THE CITY AND ITS REGION 27:56 mins. b&w NFB 1963
History shows that cities thrive best when they live in harmony and balance with the countryside. How can this balance be maintained or restored in today's sprawling metropolitan regions?

cav156 4. THE HEART OF THE CITY 27:56 mins. b&w NFB 1963
A study of the growing sterility, dullness and congestion that is destroying the vitality, variety and breadth that once made cities physically attractive and humanly creative.

cav117 5. THE CITY AND THE FUTURE 28:05 mins. b&w NFB 1963
An inevitable and urgent choice must be made between low-grade urban sprawl or a new kind of regional city. This last film of the series examines prospects for the city and ways to restore its role. (Awards: New York; Columbus, Ohio.)

SPORTS AND RECREATION

cav122 COLD-RODDERS 16:06 mins. color NFB 1970
An amusing view of the machine that has taken the country by winter storm - the snowmobile. This film shows it all - the pull of this sit-down sport, the eager will of the trade to keep it booming, the daring rivalry of the racing crowd, and the bemused pleasure of the family outing.

cav137 THE ENDURING WILDERNESS 27:48 mins. color NFB 1964
A scenic tour of Canada's national parks, from the mountains of British Columbia to the sea-swept shores of Newfoundland. Besides the beauty of unspoiled wilderness (and there is much of that), you see also the farsightedness of men of the past century who set aside these territories for the enjoyment of future generations. (Awards: New York; Marseilles.)

cav142 FAMILY CAMPING 28:00 mins. color NFB 1964
Shows popular forms of camping: site camping; a hiking trip; canoe camping in the backwoods; cruise camping through more travelled waters; and trail riding in the Rockies.

cav144 FISHERMAN'S FALL 13:39 mins. color NFB 1967
One of Canada's best known fly-fishermen, essayist Roderick Haig-Brown, demonstrates the art of salmon fishing in the Campbell River of north Vancouver Island, against a background of early autumn foliage. A film of solitude and the harmony of man and nature. (Awards: Toronto; Detroit; Novisad, Yugoslavia.)

cav150 GLOOSCAP COUNTRY 13:45 mins. color NFB 1962
The rich scenic panorama of Nova Scotia's Minas Basin, a tourist attraction, gives substance to the legend of Glooscap, an Indian god who was believed to live on what is now Cape Blomidon and to perform magic for his people.

cav163 JUDOKA 18:20 mins. b&w NFB 1965
The unusual story of a young Canadian athlete, Doug Rogers, who developed, in Japan, a talent for judo that led him into competition for the world championship at the Tokyo Olympics and subsequent competition at the Pan-American Games. The film shows the intensive judo training Rogers takes at a Tokyo college, as well as glimpses of his life in Japan.

cav190 PRECISION 9:58 mins. color NFB 1966
Here is the famed Royal Canadian Mounted Police Musical Ride, filmed in a way that gives it all the unison of a chorus line. An extremely sophisticated exercise in patterned movement of horses and men, the Musical Ride entails pinpoint precision. (Award: Locarno.)

cav198 RUNNER 10:43 mins. b&w NFB 1962

The sory of Bruce Kidd, Toronto long-distance runner, winner of national and international honors. Oblivious of the clapping crowds and the flash of cameras, he knows full well that in the long run it is the cold stop-watch that tells the truth. (Awards: Chicago; San Francisco.)

SATAN'S CHOICE
see Social Science - Sociology.

cav204 60 CYCLES 16:33 mins. color NFB 1965

The 11th St. Laurent long distance bicycle race, with participants from thirteen countries, and with 1500 miles of the Quebec Gaspe countryside to cover in twelve days - a course longer than those of Italy, Belgium or Spain. (Ten awards, including: Moscow; London; Prague; Cork.)

cav207 SUMMER PAGEANTRY 8:39 mins. color NFB 1964

The "Changing of the Guard" takes place on the broad green lawns of Ottawa's Parliament Buildings, and the band of the Royal Canadian Mounted Police plays their sunset "Retreat". Both traditional ceremonies are shown in full color, as are other points of interest in and around the city.

VOLLEYBALL
see Creative Arts - Animation and Experimental Films.

THE WORLD AROUND

HUNGER
see Creative Arts - Animation and Experimental Films.

cav160 THE INDIA TRIP (2 parts) 49:30 mins. color NFB 1971
A film narrated by Prof. Albert Jordan from Concordia University. The Jordans spent a year in Pondichery, an ancient city near the southern tip of India, which was for several centuries an outpost of France.

MAN: THE POLLUTER
see Canada - The Land.

cav183 OVERTURE 10:00 mins. b&w (United Nations) 1958
Against the background music of Beethoven's Egmont Overture performed by the Vienna Philharmonic Orchestra at a concert in the General Assembly Hall of the United Nations, the far-flung activities of the United Nations in the fight to restore a war-shattered world are portrayed. (A Hollywood Academy Award nominee.)

cav189 PORTRAIT OF THE ARTIST 28:08 mins. b&w NFB 1964
(From the Comparisons series). Glimpses into the lives of three artists; Erhabor Amokpae of Lagos; Cid de Sosa Pinto of Sao Paulo; Gord Smith of Montreal. Each artist provides his own commentary on how he lives, works, thinks and feels.

cav208 SUN, SAND AND SEA 28:23 mins. b&w NFB 1962
(From the Crossroads of the World series.) Traces the origins of the Islamic people, discusses Mahomet and his teachings, and shows the extent of the Arab conquest and its contributions to our arts, sciences and techniques. The film closes with the decline of Islam, its retreat and isolation from the world through many centuries.

cav216 TILT 19:06 mins. color NFB 1972
An animated film exposition of what is wrong with our world and how a little more sharing of wealth on the part of the "have" countries might ease many of the world's economic ills. The world is compared to the ball in a pin-ball machine, bouncing this way or that according to the way it is manipulated. The forms that that may take are acted out by cartoon characters in a series of wryly amusing sketches. (Award: Atlanta.)

cav237 YOU DON'T BACK DOWN 28:06 mins. b&w NFB 1965
In Nigeria a young Canadian doctor serves in a local mission hospital and, he says, learns much about the experience. Stationed abroad under the Canadian University Service Overseas plan, Dr. Alex McMahon and his school-teacher wife find every day a fresh challenge. An interesting study of intercultural help.

NFB INDEX

page	title
A 25	Action: The October Crisis of 1970
A 8	After Mr. Sam
A 10	Angel
A 17	Animal Movie, The
A 10	Around Perception
A 10	Balablok
A 21	Ballad of Crowfoot, The
A 16	Ballerina
A 14	Ballet Adagio
A 18	Bethune
A 4	Between Two Wars Series
A 7	Bilingualism
A 18	Borderline
A 5	Canada and the American Revolution
A 10	Carrousel
A 2	Cattle Ranch
A 21	Citizen Harold
A 26	City and its Region, The
A 26	City and the Future, The
A 26	City, The - Cars or People?
A 26	City, The - Heaven and Hell
A 26	City Limits
A 4	City of Gold
A 26	City Series
A 27	Cold-Rodders
A 2	Continental Drift
A 7	Corporation Series
A 6	Corral
A 18	Cosmic Zoom
A 23	Dance Squared
A 22	Day in the Night of Jonathan Mole, A
A 18	Death of a Legend
A 18	Discovery of Insulin, The
A 18	DNA
A 14	Dots
A 19	Drag, The
A 4	Drylanders

A 19 Embryonic Development of Fish, The
A 21 Encounter With Saul Alinsky - Part I (CYC Toronto)
A 21 Encounter With Saul Alinsky - Part II (Rama Indian Reserve)
A 27 Enduring Wilderness, The
A 15 Eskimo Artist - Kenojuak
A 24 Espolio
A 11 Evolution
A 14 Eye Hears, The - The Ear Sees

A 27 Family Camping
A 4 Fields of Sacrifice
A 27 Fisherman's Fall
A 25 Flowers on a One-Way Street
A 11 Fluxes
A 8 Forest, The
A 23 Four-Line Conics

A 23 Gifted Ones, The
A 27 Glooscap Country
A 4 Good Bright Days, The
A 11 Great Toy Robbery, The
A 7 Growth

A 15 Haida Carver
A 11 Half-Masted Schooner, The
A 26 Heart of the City, The
A 2 Helicopter Canada
A 12 Hunger

A 12 "If He Is Devoured, I Win"
A 29 India Trip, The
A 15 In Search of Medea: The Art of Sylvia Lefkovitz
A 7 International Operations

A 27 Judoka

A 23 Knowing To Learn
A 15 Kurelek

A 16 Ladies and Gentlemen .... Mr Leonard Cohen
A 12 Legend
A 26 Lewis Mumford On the City Series
A 15 Living Stone, The
A 14 Loops

A 2 Man: The Polluter
A 7 Market, The
A 12 Matrioska
A 8 Men and Automation
A 8 Men and Mechanization
A 7 Motivation

A 6 Nahanni
A 14 Neighbours
A 5 New England and New France
A 23 No Reason To Stay
A 23 Notes on a Triangle

A 16 Once Upon a Prime Time
A 3 Origins of Weather
A 29 Overture

A 14 Pas De Deux
A 23 Perceptual Learning
A 3 Persistent and Finagling
A 12 Poen
A 3 Poisons, Pests and People
A 29 Portrait of the Artist
A 27 Precision
A 6 Propaganda Message, A

A 15 Quebec En Silence
A 5 Question of Identity, A - War of 1812

A 19 Ratopolis
A 7 Real Estate
A 17 Red Kite, The
A 3 Rise and Fall of the Great Lakes, The
A 28 Runner

A 25 Satan's Choice
A 21 Saul Alinsky Went to War
A 16 Script to Screen
A 8 Seniority Versus Ability
A 3 Shepherd, The
A 28 60 Cycles
A 24 Station 10
A 5 Struggle For a Border Series

A 24	Summerhill
A 28	Summer Pageantry
A 29	Sun, Sand and Sea
A 4	Sunshine and Eclipse
A 14	Synchromy
A 12	Syrinx
A 13	Tale of Mail, A
A 22	Tax Is Not a Four-Letter Word
A 24	Test, The
A 21	Things I Cannot Change, The
A 29	Tilt
A 13	To See Or Not To See
A 25	Toys
A 19	Trout Stream
A 17	Tuktu and the Snow Palace
A 5	Turn of the Century
A 13	21 - 87
A 4	Twilight of an Era
A 20	Universe
A 16	Vaillancourt
A 13	Very Nice, Very Nice
A 13	Volleyball
A 21	VTR St-Jacques
A 13	Walking
A 24	Walls of Memory
A 5	War of 1812, The
A 9	Where Have All the Farms Gone?
A 21	Wilf
A 22	Women on the March
A 16	World of David Milne, The
A 20	World of Three, The
A 29	You Don't Back Down
A 25	You're No Good

british information services collection

B - BRITISH INFORMATION SERVICES

TABLE OF CONTENTS

page	subject
B 37	AGRICULTURE, FORESTRY AND FISHERIES
B 37	Agriculture and Farming Techniques
B 39	Animal, Poultry and Dairy Farming
B 40	Forestry
B 40	Fisheries
B 41	THE ARTS
B 41	Art, Architecture and Design
B 42	Music, Theatre and Dance
B 42	BRITAIN AND THE BRITISH
B 43	Britain
B 45	Town and Country - England
B 47	- Ireland
B 46	- Scotland
B 47	- Wales
B 48	COMMERCE, INDUSTRY AND LABOUR
B 48	Atomic Energy
B 49	Automation and Mechanical Handling
B 49	Ceramics and Glass
B 50	Chemicals and Paint
B 50	Commerce
B 51	Communications
B 53	Computers

COMMERCE, INDUSTRY AND LABOUR (CONT'D)

B 53 Electrical and Electronics Industry
B 54 Engineering – Civil and Building
B 57 – Allied Subjects
B 59 Food and Drink Industry
B 60 Industrial and Business Management
B 61 Metal Founding and Casting
B 61 Metrication
B 61 Oil Industry
B 62 Safety and Rehabilitation
B 62 Textiles, Carpets and Clothing
B 63 Transport – Air
B 66 – Rail
B 65 – Road
B 67 – Water and Docks
B 68 THE DEFENCE SERVICES
B 69 EDUCATION AND YOUTH ACTIVITIES
B 69 Education
B 70 Youth Activities and Vocational Guidance
B 72 THE ENVIRONMENT
B 73 EXPLORATION
B 74 GOVERNMENT AND CITIZENSHIP
B 74 Central and Local Government
B 74 Law and Order
B 75 Town and Country Planning

B 76 HEALTH AND WELFARE SERVICES
B 76 Health and Hygiene
B 77 Care of the Handicapped
B 79 THE ROYAL FAMILY
B 80 SCIENCE AND TECHNOLOGY
B 82 SPORTS AND RECREATION
B 85 THE COMMONWEALTH
B 86 INTERNATIONAL
B 87 BIS INDEX

AGRICULTURE, FORESTRY AND FISHERIES

AGRICULTURE AND FARMING TECHNIQUES

cav301 ACCIDENTS ARE SELDOM ACCIDENTS 21 mins. colour BIS 1973
Statistically the tractor is as lethal on the farm as the car is on the road. Disregard of basic safety principles is the major cause of tractor accidents on the farm. Some classic examples of carelessness are demonstrated in the film and the causes explained.

cav352 CONCRETE PAYS 21 mins. colour BIS 1965
The use of concrete can help farmers achieve greater efficiency, safety and hygiene. This film deals with its use on farms for roads and yards. Block-walling and the correct methods to be used in such work by inexperienced farm labourers are also discussed.

cav385 FARMERS IN BUSINESS 22 mins. colour BIS 1961
The role played by farmers' co-operatives in the farming community; illustrated in particular by the progress of one such flourishing society established in 1911 and operating in the Border country of England and Scotland.

cav386 THE FARMSTEAD IN THE LANDSCAPE 19 mins. colour BIS 1974
The film suggests how careful pre-planning and thought as to the siting of new buildings and the use of natural stone and a variety of woods can produce efficient buildings that blend in with the surroundings and follow the natural contours of the landscape.

FLAMINDA - RAIN BY COMPUTER
see Commerce, Industry and Labour -- Civil Engineering and Building.

cav394 FORMULA FOR PROGRESS 28 mins. colour BIS 1967
A film on the five-year-long operation to produce an effective miticide, a chemical to control horticultural mites, showing initial trials, test runs all over the world and finally mass production.

cav440 THE LAWS OF THE LAND 50 mins. colour BIS 1973
This film investigates the problems faced by Britain's largest industry - agriculture. Her farming output, equal to that of Australia and New Zealand together, is largely the result of scientific and technological inventions. Research is shown being carried out at the Plant Breeding Institute and at Rothampstead and Reading Universities. Visits are also made to intensive dairy and cereal farms as well as to an organic farm where traditional farming is still carried out.

cav454 MAKING RESERVOIRS WITH POLYTHENE SHEETING
17 mins. colour BIS 1968

A lucid demonstration of how to construct a reservoir, lining the base and sides with polythene sheeting. It shows also how produce farmers in Spain have benefited from this method of water conservation.

cav459 METHOD STUDY IN AGRICULTURE 16 mins. colour BIS 1971

Improved farm buildings and the use of modern farming methods eliminate wasted manpower and increase productivity and efficiency. The Agricultural Land Service Method Study Team gives expert advice to farmers on how their property and facilities may be used to better advantage.

cav470 NEW GRASS FOR OLD 16 mins. colour BIS 1968

The film shows how a new weed-killer was used in re-seeding to improve grassland on a variety of landscapes and soil conditions. The advantages of the new chemical are clearly illustrated after its use on a hill farm, on flooded pasture, on steep chalk downs and on over-worked meadowland.

ONE MAN AND HIS BANK
see Commerce, Industry and Labour -- Commerce.

cav523 THE SCIENCE OF FARMING 28 mins. colour BIS 1970

Illustration of how British farmers today are improving their productivity and economic efficiency with the help of science and research. Scientists carry out painstaking studies of the feeding requirements of livestock, of ways to improve pasturage on marginal land, the development of high-yielding, disease-resistant strains of cereal and the cross-breeding of stock.

cav548 A STORY OF GROWTH 21 mins. colour BIS 1969

The film shows the different farms of three men, emphasising the fact that they are progressive, business-like farmers who have the same attitude toward their land as a manufacturer has toward his factory.

cav567 TRACTOR SENSE 8 mins. b&w BIS 1959

This film shows how tractor accidents on farms could be avoided if the drivers would take more care and pay attention to the rules of good driving. The film shows actual police photographs of three fatal accidents caused by tractors overturning, and continues with examples of the kind of careless driving which caused such accidents. Awards: Harrogate, 1959; Berlin, 1960; Vancouver, 1961.

cav577 WARREN FARM - A STAKE IN THE FUTURE
17 mins. colour BIS 1974

Warren Farm in Lambourn, Berks, is one of the Milk Marketing Board's beef-bull progeny testing centres. Ten-day-old calves are purchased for rearing under controlled conditions for 18 months until eventual slaughtering and carcass appraisal. A useful film giving details of procedures at artificial insemination centres.

ANIMAL, POULTRY AND DAIRY FARMING

cav309 ANIMAL DOCTOR 16 mins. b&w BIS 1962
Animal husbandry and farming conveyed through the personal story of a typical veterinary surgeon and the background of his world.

cav405 THE GOLDEN GUERNSEY 20 mins. colour BIS 1960
Presentation of the history and characteristics of the famous Guernsey breed of cattle. The pure Golden Guernsey breed has grown from origins in Guernsey Island centuries ago, and today sends progeny of unique quality all over the world.

cav461 MILK FOR PROFIT 18 mins. colour BIS 1967
One aspect of British dairy farming upon which more emphasis is being put is the correct feeding of cattle after calving to increase the period of lactation and the quantity of milk produced. Balanced feeding, conditions of handling and housing are important, and this film lays down the principles involved in achieving the maximum milk yield.

cav462 A MILLION POUNDS A DAY 21 mins. colour BIS 1961
The history of the British dairy industry over the last 150 years. Old prints recapture the early days of this industry, and the film goes on to trace development in quality and distribution.

cav464 MODERN SHEEP DIPPING 23 mins. colour BIS 1967
Dipping is the recognised method of controlling pests in the skin and fleece of sheep. This film examines the various diseases and their causes, the different kinds of dip chemicals, and shows how dipping can be prepared under varying conditions.

cav487 OVER TO COLWORTH 21 mins. colour BIS 1967
Britain is at the forefront in many aspects of agricultural research. Research at Colworth concentrates on perfecting the best possible foods for animals, and to this end the most advanced laboratory methods are used, including atomic analysis, gas chromatography, and computers which verify results at trial stage before embarking upon mass production. This film deals mainly with perfecting a new pig food.

cav530 THE SHAPE OF MILK TO COME 20 mins. colour BIS 1967
A new British process which dispenses with permanent refrigeration and keeps milk fresh for months. Research, treatment and packaging of this long-life milk is shown. Milk from Britain is shown in use in many tropical countries and its high quality is demonstrated.

FORESTRY

cav338 CARE OF TIMBER 16 mins. colour BIS 1972

Timber is a major import, and its efficient use is particularly important. Based on work carried out at the Forest Products Research Lab, the film explains the correct practice in specifying, processing and handling timber so that wastage is small and end products have a long and satisfactory life.

cav342 THE CHANGING FOREST 27 mins. colour BIS 1966

Until about fifty years ago, trees were cut down with complete disregard for the future and little or no replanting took place. Today, land conservation, preservation and reforestation is carried out by the Forestry Commission in $2\frac{1}{2}$ million acres of Britain. This film outlines the necessity for forest conservation for future generations, and shows how wildlife has been preserved and land made available for recreational activities.

ROOT GROWTH AND SOIL FAUNA
see Science and Technology.

USUTU
see The Commonwealth.

FISHERIES

cav417 IN GREAT WATERS 40 mins. colour BIS 1973

A look at how the technological precision of modern fishing has given a surge of new life to the once run-down fishing industries of the Shetland and Hebrides.

cav563 TO CATCH A FISH 24 mins. b&w BIS 1965

An account of a Hull trawler's fishing trip to the Arctic Circle. Described are the trawls for cod, illustrating the extensive use of electronic equipment for scanning, shoal-location and de-icing which enables work to continue under adverse weather conditions, and the up-to-date methods of sorting and cold-storing the catch.

THE ARTS

ART, ARCHITECTURE AND DESIGN

cav313 AN ARTIST LOOKS AT CHURCHES 15 mins. colour BIS 1959
Out of some 20,000 churches in Britain, John Piper, the famous British artist, selects one from each century, from Norman times to the present day. Their richness of architecture, decoration, carving, sculpture and stained glass, and their historical associations, are seen and described in the film. Award: Vernon, B.C., 1961.

cav349 COLOUR BY NUMBERS 25 mins. colour BIS 1974
This film explains the value of colour and how light can affect the colour we see. Tests carried out by the brewer, Joseph Lovibond, to establish colour standards far back in the 1860's, led to the development of the Tintometer, a device which can provide a perfect match for any one of 700 colours. The film shows the machine being used in research, television studios and industry, where colour standards are vital.

cav356 COVENTRY CATHEDRAL 40 mins. colour BIS 1962
The building and consecration of the new Cathedral Church of St. Michael at Coventry, from the preliminary earth moving in 1955 to completion seven years later.

DESIGN AND THE ENGINEER
see Education and Youth Activities -- Youth Activities and Vocational Guidance.

cav365 DESIGN FOR TODAY $15\frac{1}{2}$ mins. colour BIS 1965
Good design is a feature of products made in Britain. The film, which has no commentary, is woven around a day in the life of a young couple. Its coverage ranges from household furnishings to the equipment of modern offices, factories and hospitals, as well as new trains and other forms of transport. Awards: British Industrial Film Association, 1966; Antwerp, 1966.

cav465 MORE BY DESIGN 31 mins. colour BIS 1974
Shown is the ingenuity of design in property and landscape, in domestic surroundings, industry, commerce and art, which gives colour, form and dimension to everyday life in Scotland.

cav531 SHAPES OF PROGRESS 22 mins. colour BIS 1967
What are the essentials of good design? In the modern world, the work of designers affects every one of us: the height of a skyscraper, the speed of a car, the heat output of a gas fire, the beauty of a piece of jewellery. Everything that is made has first to be designed. Designers provide the narrative of this film which highlights many examples of good design in Britain.

cav536 SIR BASIL SPENCE (1963) 10 mins. b&w BIS 1963
Introducing British architect Sir Basil Spence, whose design of the new Coventry Cathedral was chosen from among hundreds submitted in the 1950 open competition. Speaking from his London home, he discusses his work and illustrations include buildings for the University of Sussex, the rebuilding of the Gorbals slum area in Glasgow, and plans for the new British Embassy in Rome.

cav537 SIR BASIL SPENCE (Pacemakers Series) 14 mins. colour BIS (1968)
Sir Basil Spence is one of the most eminent architects in Britain and the world today. In this film he discusses some of his projects: the British Pavillion at Expo '67, the rebuilding of Coventry Cathedral, the University of Sussex, a baronial hall in Scotland. He stresses the importance of colour in his designs, saying that colour is vital to any great building. Sir Basil Spence is a mixture of engineer, artist and sociologist. He knows the importance of creating a place for people.

cav570 TWO ARCHITECTS 19 mins. b&w BIS 1966
A look at the new Department of Engineering building at Leicester University which won the 1965 R.S. Reynolds Award for the architects, James Gowan and James Sterling. The two architects discuss the way they tackled the problem and the difficulties which arose. Aluminium is used extensively in the building.

MUSIC, THEATRE AND DANCE

cav419 INSTRUMENTS OF THE ORCHESTRA 20 mins. b&w BIS 1946
This famous film analyses, instrument by instrument, the composition of a symphony orchestra. Sir Malcolm Sargent introduces, conducts and comments on a performance by the London Symphony Orchestra of Benjamin Britten's *Variations and Fugue on a Theme by Purcell* (specially written for this film). The orchestra is shown playing together, then by groups (wood-wind, brass, strings, percussion), then the instruments of each group are taken individually. In conclusion, the orchestra is seen once again playing the fugue together.

cav483 ON SUCH A NIGHT 35 mins. colour BIS 1965
An American in London is intrigued by a group of people in evening dress at the London railway terminal, Victoria Station, in mid-afternoon. He follows them down to Glyndebourne, in the heart of the English countryside, a centre of opera, set in an historic country house, and witnesses a performance of Mozart's *The Marriage of Figaro.*

BRITAIN AND THE BRITISH

BRITAIN

AGE OF INVENTION
see Commerce, Industry and Labour -- Engineering and Allied Subjects.

cav324 BEAUTY IN TRUST 23 mins. colour BIS 1958
An impression of the diversity of the lands and buildings in England which, in various ways, come into the care of the National Trust. These include sites in Cornwall, Buckinghamshire and Cambridgeshire, the perfect architectural amalgam of Lacock village in Wiltshire, part of the Lake District, and dwellings and gardens in all parts of the country.

cav328 BETWEEN THE TIDES 22 mins. colour BIS 1958
This film reveals some of the interesting animal and plant life not always visible to the naked eye, which can be found in rock-pools and shallow waters among the breeding grounds of Britain's sea-birds. The colour camera explores the rich natural life of Britain's coastal areas, bringing to light a wealth of pictorial information in the tradition of the nature documentary film. Awards: Venice, 1958; Cork, 1958; Moscow, 1958; Robert J. Flaherty, 1960.

cav339 CARING FOR HISTORY 29 mins. colour BIS 1973
A description of the work undertaken by the Ancient Monuments division of the Department of the Environment. Castles, abbeys, priories and palaces are carefully restored and preserved by experts with the aid of modern technology and traditional skills. Roman, Celtic and even Neolithic monuments and remains come under the Department's care to secure for future generations these tangible records of Britain's history. John Grierson Award for the best documentary film of 1973.

CROSS COUNTRY - GO
see Sports and Recreation.

cav399 GARDENS OF BRITAIN 20 mins. colour BIS 1972
The history of the British garden from the 17th century to the present day is told in a film which features Kew Gardens, Hampton Court, Syon Park, Sissinghurst, and Bodnant in Snowdonia, as well as the cottage garden. Examples of French and Italian gardens in Britain are illustrated and their influence on the English landscaped garden is discussed.

cav402 GO AS YOU PLEASE IN BRITAIN 17 mins. colour BIS 1975
A travelogue of famous beauty spots and places of historical and cultural interest in England and Wales which can be reached by rail. Included are some good shots of old railway engines and carriages.

cav411 HERITAGE IN TRUST 30 mins. colour BIS 1972
This film is concerned with the preservation of buildings of national interest and is therefore topical in the light of present day concern with the environment. The film shows five stately homes in the south-west of England, one of which is now only a ruin. The other four houses, including St. Michael's Mount half a mile off the Cornish Coast, are carefully and lovingly maintained, either privately by the owners or by the National Trust.

NON-STOP BRITAIN
see Sports and Recreation.

PLANNING FOR PEOPLE
see Science and Technology.

cav495 PORTRAIT OF A PEOPLE 28 mins. colour BIS 1970
This film is a poetic evocation of the history and character of a nation, and the quality of its life today. The visual panorama of British landscape, industrial strength and social achievement is accompanied by expression of the thoughts of many Britons, among them Sir Winston Churchill, John Keats, John Stuart Mill, George Orwell, William Shakespeare and William Wordsworth as well as HRH the Duke of Edinburgh. This film takes the form of a journey which seems to convey an understanding of the ways in which people have adapted to the changes imposed by recent developments. It reflects the evolution of a new social and economic outlook as the legacy of the Industrial Revolution is left behind and the technology revolution gathers pace.

cav527 SEAROAD TO BRITAIN 21 mins. colour BIS 1974
Arriving in England, overseas tourists can take advantage of the many facilities available to motorists while making their way to well-known beauty spots and places of historical interest. Stonehenge to Salisbury, Tintern Abbey in Monmouthshire, Hadrians Wall, the Lake District, Scottish mountains and the Norfolk Broads are covered in this film.

cav542 SPEAKING OF BRITAIN 27 mins. colour BIS 1967
A personal view of Britain during a time of rapid change, in which young technologists, scientists, educationalists and others are seen at work and at leisure. Their discussion of objectives and ideals, and the contribution they are making to the advancement of knowledge, reflects a new altruism. Britain's international role in the improvement of world living standards is also shown.

THE WIND ON THE HEATH
see Sports and Recreation.

cav584 WOMEN'S INSTITUTE 13 mins. b&w BIS 1962

A simple, factual explanation of the voluntary services carried out through Women's Institutes in rural areas of Britain. Throughout the country, 8,000 Institutes provide meeting places where women can learn new skills and develop their artistic talents, broaden their knowledge of the outside world, and form new and lasting friendships.

TOWN AND COUNTRY

England

ASSIGNMENT DAVID BROWN
see Commerce, Industry and Labour -- Engineering and Allied Subjects.

cav369 EAST ANGLIAN HOLIDAY 20 mins. colour BIS 1954

In East Anglian settings such as the "Broads", home of sails, windmills and quiet waterways, the delightful Flatford and Horstead Mills, and the old town of King's Lynn, this film explores much of the scenic beauty and recalls local history and traditions.

cav407 GUARDIAN OF THE LAKES 28 mins. colour BIS 1970

The film covers the work of the National Trust in the Lake District to preserve the natural beauties of the landscape and protect the region from harmful development.

cav460 MIDLAND COUNTRY 20 mins. colour BIS 1974

The Midland counties of England offer much to the tourist and holiday-maker. Covering eleven counties, the area is considered to be the most typical of rural England. Illustrated in this film are historic cities, stately homes and castles, villages where old crafts are still practised, and the vast network of rivers and canals.

cav473 NO. 1 LONDON 8½ mins. b&w BIS 1961

Stately Apsley House, at Hyde Park Corner, in London, home of the first Duke of Wellington, is visited by a distinguished citizen from one of the most famous places bearing the Duke's name - Wellington, New Zealand. The Mayor of Wellington saw, in this great residence which houses the Wellington Museum and is known popularly as "No. 1, London", evidence of an historic life. Its proud display of priceless relics and works of art are all associated with the famous "Iron Duke".

cav476 NORTH TO THE DALES 19 mins. colour BIS 1962

A tour of the Yorkshire Dales, showing outstanding beauty spots and places of interest such as the weirdly weathered rocks at Brimham, the former Brontë home at Haworth, Fountains Abbey, Bolton Castle, and various picturesque villages and market towns. The film also takes a look at potholing, a popular sport in this part of the country.

cav502 THE QUESTIONING CITY 20 mins. colour BIS 1960
An impression of the university city of Cambridge in East Anglia, showing something of the scholastic and social side of student life, the historic University buildings, and the loveliness of the Backs and surrounding countryside. Award: Rome, 1961.

cav528 SEA SANCTUARY 30½ mins. colour BIS 1960
Life among the seals and birds on the Farne Islands sanctuary off Britain's Northumberland coast. The life-cycle of the Grey Seal is illustrated.

cav533 SHE'S A LADY 23 mins. colour BIS 1974
A lively film showing the varied aspects of life in the busy and thriving city of Liverpool: its history, the legacies left by the merchant adventurers, its architecture, and the progress it has made in the 20th century.

cav582 THE WEST AT WORK 19 mins. colour BIS 1966
Cornwall and Devon, better known for their holiday attractions, are also the home of several industries, ranging from the manufacture of mining equipment to gin distillation and trawler fishing. A review of the industrial side of the West Country.

Scotland

cav436 A LAND OF PLENTY 31 mins. colour BIS 1974
An interesting film on the remote area of north-east Scotland, describing the people of the area, their traditions, customs, local industries, farming, fishing, whisky distillation, etc. This film shows how the people are facing up to the challenge of change brought about by the discovery of North Sea oil.

cav447 THE LINE TO SKYE 16 mins. colour BIS 1974
Shimmering lochs, impressive mountains and wildlife enrich the County of Ross and Cromarty in Scotland. Opening with shots of Skye, the film moves to Inverness for the start of the 100-mile rail journey to Dingwall, Loch Garve, Achnasheen, Strathcarron (gateway to the Torridon mountains), Plockton and its final destination at the Kyle of Lochalsh.

cav480 ONE DAY IN IRVINE 22 mins. colour BIS 1971
The story of this Ayrshire town seen through the eyes of a young Canadian of Scottish ancestry from Galt, Ontario. His great-grandfather emigrated to Canada at about the time John Galt visited Canada and gave his name to the town on the River Grand in Ontario. The young man will inherit a bequest for spending a day in Irvine before he is twenty-one.

cav500 THE PROSPECT OF SCOTLAND 27 mins. colour BIS 1974
Scotland is known throughout the world for its scenic beauty, whisky and the tartan, but it is also the country that pioneered the first industrial revolution. Its traditional skills are now being turned to the new technologies of oil and nuclear power. This film tells Scotland's industrial story, its links with the world, and shows how Scotland is well able to play its part in twentieth-century Europe.

cav525 SEA CITY - GREENOCK 22 mins. colour BIS 1975
A tour of Greenock, a vital and colourful city standing on the Clyde, seen through the eyes of a sailor who has returned to the town where he grew up.

cav544 ST. ANDREWS BY THE NORTHERN SEA 22 mins. colour BIS 1973
The Royal Burgh of St. Andrews, its history and the university town it is today. Once the ecclesiastical capital of Scotland, St. Andrews grew around the Cathedral, the Castle and the University and today only the University remains. Activities there and at the headquarters of the Royal and Ancient Golf Club - responsible for the laws and the rules of golf throughout the world - are shown.

cav556 TAYSIDE 28 mins. colour BIS 1974
This region of central Scotland has diverse activities due to its variety of landscape. Shown are the many industries and farming activities taking place and the thriving port of Dundee where the pattern of life is already changing due to the discovery of North Sea oil.

Wales

cav337 CARDIFF: THE CAPITAL CITY 18 mins. colour BIS 1975
This film illustrates the wide range of industries already established in the Cardiff area, and shows its possibilities for further expansion. Its transport and communications systems, the large contained port, its housing estates and recreation facilities are seen, demonstrating that Cardiff is both an ideal industrial centre and a good place to live.

cav517 RIVERS OF DELIGHT - THE CONWY 24½ mins. colour BIS 1974
The River Conway (Welsh spelling - Conwy), although only 30 miles long, passes through landscape of immense variety, starting as a fishing lake, gathering momentum at Betws-y-Coed, into the Swallow Falls and finally discharging into the sea at Conway Town, North Wales.

Ireland

cav572 ULSTER TODAY 18 mins. colour BIS 1967
Ulster has its own parliament, but is an integral part of the United Kingdom, sending members to Westminster. Two foreign industrialists, who plan to build a factory, find that the government helps financially. They see many new industries as well as the traditional occupations of agriculture and linen. Labour is plentiful, there is a housing trust, and the surroundings are of great natural beauty. Award: British Industrial Film Association, 1967.

COMMERCE, INDUSTRY AND LABOUR

ATOMIC ENERGY

cav318 ATOMIC ENERGY EXPLAINED 20 mins. colour BIS 1961
A practical outline of atomic energy and its peaceful applications. The film studies the structure of atomic particles and shows how energy can be released from them to produce atomic power. It also illustrates how radio-isotopes are being put to valuable use in modern industry and medicine. Award: Salerno, 1962.

cav374 THE ENGINEER AND THE ATOM 15 mins. b&w BIS 1959
From the time the foundations of Calder Hall, the world's first full-scale atomic power station, were laid in Cumberland, this scientific triumph of the century brought additional problems to the engineers of Britain. The film shows the part played by engineers in giving substance to a series of atomic projects, including Calder Hall, Dounreay, and the new series of stations being built for the Central Electricity Authority.

cav380 EYE FOR ISOTOPES 27 mins. colour BIS 1964
A film describing established techniques in the use of radio-isotopes for measuring, tracing and control. Animation sequences are used to explain the composition of an atom of carbon and its isotopes, and the half-lives of several elements are illustrated. The different penetrating powers of alpha, beta and gamma radiations are illustrated, and there is a brief section on the production of isotopes and their uses in factory and field. Awards: Canadian, 1964; New York, 1964.

cav418 INSIDE HARWELL 20 mins. colour BIS 1967
This film describes the facilities of the Harwell Atomic Energy Establishment and some of the experiments currently taking place there.

cav477 NUCLEAR POWER '65 10 mins. colour BIS 1965
Since 1956, when Britain opened the world's first nuclear power station, nine more, incorporating successive improvements, have been built, the latest being in Scotland. This one uses uranium fuel in the form of a metal bar but the newest reactor, under construction at Dungeness, will embody the British designed AGR principle for which an even more advanced type of nuclear fuel had to be developed.

cav478 NUCLEAR POWER REACTORS 35 mins. colour BIS 1961
A comparative survey of the nuclear power reactor systems used in several countries including Britain, Canada, the United States and Italy. Diagrams and live-action photography are used to present this technical account of the ways in which cores, coolants and moderators (the main components of reactors) are combined to form different systems. Award: Venice, 1962.

AUTOMATION AND MECHANICAL HANDLING

cav423 INTRODUCING AVERY 10 mins. colour BIS 1973

An interesting film describing the variety of weighing machines, both for use in industry and for retailing. Sophisticated machines, some sensitive to light, others which weigh moving freight trains, and a specially developed unit for cable load testing for use in the mining industry are described and illustrated in detail.

cav457 MASTERMINDS OF MOVEMENT 27 mins. colour BIS 1975

A wide variety of conveyor systems which facilitate the handling of materials in industry. Complete handling and distribution systems which can be controlled by pneumatics, hydraulics or electronics are seen in application.

cav508 REFUSE WITH A FUTURE 12 mins. colour BIS 1974

Shows the Vickers Seerdrum wet rotational system for reclaiming household garbage and how it can be used for land fill and reclamation - particularly near built-up areas and in areas of natural beauty. The system is clearly explained by illustrating the complete sequence of garbage disposal, from collection through processing to disposal. Examples of the operation are seen in Scotland and Switzerland.

CERAMICS AND GLASS

cav326 THE BEST OF BOTH WORLDS 27 mins. colour BIS 1965

Two visitors from outer space visit Britain in order to investigate the material "glass", which is apparently unknown on their own planet. They are shown many architectural uses of flat glass in homes, hospitals, offices and industries.

cav334 BROAD DAYLIGHT 29 mins. colour BIS 1962

The development and use of patent glazing from Victorian times to the present day. The film shows how a patent glazing derived from the needs of expanding Victorian industry, and how it developed with the changes of structural and architectural techniques so that today it remains completely adaptable to the demands of contemporary design.

cav362 CRYSTAL 20 mins. colour BIS 1974

Royal Doulton has been producing fine crystal since the 17th century. This film without commentary uses some clever miming to introduce an intriguing picture of the production of crystal goblets, vases and ornaments, by skilled craftsmen and engravers.

cav382 FACETS OF GLASS 27 mins. colour BIS 1974

The film provides a look at Britain's only glass museum, and demonstrates the beauty and versatility of glass. It traces the origins of glass and its manufacture throughout the centuries, and shows fine examples of blown, cut and stained ware, both old and new. Some of today's outstanding artists and craftsmen are seen at work, in the studio and in the glass factories.

cav401 GIFT OF A LIFETIME 32½ mins. colour BIS 1967

A film which shows both the traditional and the modern automated processes of making Spode fine chinaware.

cav580 WEDGWOOD (1966) 15 mins. colour BIS 1966

Apart from a brief introductory commentary, this film relies entirely on the visual appeal and drama of the craftman's skill to tell the story of how modern production techniques are now allied to craftmanship to make some of the world's famous ornamental and table ware.

cav581 WEDGWOOD (1973) 19 mins. colour BIS 1973

An insight into the whole world of Wedgwood, one of the most celebrated pottery manufacturers in the world. The presenter, Bernard Price, talks about the extraordinary man, Josiah I, who founded the company in 1759, and then discusses Wedgwood designs both antique and modern. There is also an exciting and skillful demonstration of the art of throwing, by Elwyn James, Wedgwood's craft potter.

CHEMICALS AND PAINT

cav331 BRIDGE ACROSS THE WORLD 25 mins. colour BIS 1972

This film shows the many activities of Imperial Chemical Industries' operations in many parts of the world. Fertilisers, weed-killers, medicines and paints are the items mainly shown, and the film is remarkably free of factory shots.

cav348 COLOUR 22 mins. colour BIS 1975

Beginning with the spectrum, this film uses many images to illustrate the way in which the sensation of colour is produced in our brains. We see colour used as camouflage, for identification, in fashion, and in painting, and the film describes how today's pigments and dyes are made and matched by computer.

COMMERCE

cav320 THE BANK OF ENGLAND 25 mins. colour BIS 1974

An account of the history and day-to-day functions of the Bank of England and its role in financing government and industry. Explained are the Bank's role as government broker and banker, its tasks in issuing Treasury bills, exercising exchange control, keeping the gold reserves, acting as banker to the major clearing banks, and printing the country's supply of banknotes.

cav346 CLIMATIC PROTECTION IN PACKAGING
16 mins. colour BIS 1973
An instructional film on the different ways of packing metals for protection against damp and heat. The appropriate treatment for different classes of object is explained.

cav458 MEET THE MIDLAND 33 mins. colour BIS 1963
An account of the everyday business conducted by one of Britain's leading banks, the Midland. The film describes many of the facilities offered by the bank - including general cheque clearing services, loans for individuals and business houses, and specialised assistance given by the overseas trade promotion department.

cav482 ONE MAN AND HIS BANK 26 mins. colour BIS 1965
Taking an actual case history, this is an account of a progressive farmer who - with the backing of his bank and help of business consultants - buys new farmland and turns it into a profitable venture.

cav514 RISK 24 mins. colour BIS 1966
An insurance broker, with his knowledge of his clients's activities, can assess all potential situations and knows where to place the risk at the most economic premium. Told in story form, this explains the work of a broker in Britain and illustrates his involvement with individuals and industries.

cav515 THE RISK TAKERS 17 mins. colour BIS 1968
An examination of all aspects of British insurance with an insight into the working lives of brokers, inspectors and others employed in assessing insurance risks.

cav559 THIS IS LLOYD'S 31 mins. colour BIS 1962
An account of the great institution of Lloyd's, tracing its development from a seventeenth-century coffee house to an international insurance market covering a multiplicity of twentieth-century risks. For the first time, cameras have penetrated to the Underwriting Room - the focal point of Lloyd's - to record operations.

COMMUNICATIONS

cav312 ARABIA - THE FORTUNATE 45 mins. colour BIS 1974
This film looks at the scene in several of the countries round the coast of the Arabian peninsula, where new wealth has created the means for social change and development. The problems these countries are facing and the way they are being tackled are shown. Interwoven with stories of progress and development is the part played by telecommunications: telex, telegraph, radio and earth satellite stations, in maintaining links with the rest of the world.

cav350 COMMUNICATE TO LIVE 22 mins. colour BIS 1972
Shows how communication is essential to modern life, first by featuring natural communication between animals, insects and birds, then between man and animal, followed by man's artistic ability to record, to employ steam, the magnet and electricity. We also see the possibilities of computers being used by everyone and finally the future of communications. Award: British Industrial Films Festival, 1972.

cav453 MACHINES TO MOVE THE MAIL 17 mins. colour BIS 1960
Every year the Post Office in Britain deals with an increasing quantity of letters, packets and parcels. Illustrated by impressive examples of automation such as "ALF" (the Automatic Letter Facer), "ELSIE" (the Electronic Letter Sorting and Indicating Equipment) and an automatic letter and package segregator, the film looks forward to the completely mechanised post office of the future.

cav472 NEWS STORY 21 mins. b&w BIS 1961
How an issue of one of Britain's major newspapers - the Guardian - is produced; from the early morning, as a reporter interviews dockers about a strike, to well into the night when the freshly printed bundles are loaded on the trains.

cav496 THE POST OFFICE TOWER OF LONDON 20 mins. colour BIS 1967
A guided tour of the Post Office Tower which explains why it was necessary and its integral part in communications, not only nationally as the focal point of the microwave telephone network and television switching centre, but also internationally as part of Eurovision and satellite world-wide link-ups via the dish aerial at Goonhilly.

cav564 TOMORROW'S MERSEYSIDERS 25 mins. colour BIS 1974
Pinpointing some contrasts of the problems and triumphs of present-day Merseyside, this film also shows the contributions that two newspapers make to the life of the area and their concern for the community they serve. Problems surrounding Liverpool's future - its massive rebuilding programme and its long-term plan for the next generation of "Tomorrow's Merseysiders" - are discussed and interwoven with the mechanics of provincial newspaper production.

cav576 VOICES IN ORBIT 24 mins. colour BIS 1972
Space communication from the days of Marconi's first telegraphic links to present-day satellites is described in this film which shows how the Post Office has helped to pioneer space communications achieved by engineers and technicians of many nations working together. The film also peers briefly into the future at potential benefits of space communication for informing, educating and controlling world-wide activities for the benefit of humanity.

COMPUTERS

cav311 APOLLO IN ASCENSION 30 mins. colour BIS 1967

The story of the building of a satellite earth station on the island of Ascension and its significance. With this new communication system, the Apollo programme is being carried through to enable man to land on the moon and return to earth. Aspects of history are brought alive, interwoven with scenes of astronauts in training and out in space.

cav488 PATTERN, PURPOSE AND PROSPECT 22 mins. colour BIS 1964

The film starts by showing man as a calculator excellent in judgment, but slow in operation. It then goes on to demonstrate the mechanical calculating machine, which still depends on the human factor. Now, the electronic digital computer, working on a basis of pure logic, can assimilate ordered sets of information and produce the answers without human intervention.

cav529 SEEING IS BELIEVING 18 mins. colour BIS 1975

New computer technology developed by the Computer Aided Design Centre at Cambridge now allows three-dimensional drawings to replace output of figures. This film is mainly concerned with the air traffic control problems Copenhagen Airport will have to face in the future and shows how a visual simulation of conditions in 1980 was used to help solve these problems.

ELECTRICAL AND ELECTRONICS INDUSTRY

cav325 BEHIND THE SCENE 21 mins. colour BIS 1968

This film traces the origins of Smith's Industries and explains the part it plays in the everyday life of the successful businessman. References are made to British "firsts" such as automatic landing systems and navigational devices.

cav354 CONTRACTING CIRCUITS 25 mins. colour BIS 1973

Modern technological advances in miniaturisation have resulted in the manufacture of smaller and more efficient electronic components for everyday use. This film describes the production of semi-conductor circuits and devices, and shows in detail how a complete circuit assembly is built up on a single chip of silicon crystal. Applications of these electronic devices in industry, medicine and the armed forces are illustrated.

cav355 COOK STRAIT STORY 26 mins. colour BIS 1966

The manufacture and laying of a submarine power cable laid between North and South Islands, New Zealand, showing in detail the long process of spinning and protecting an unbroken 25-mile length of cable.

cav416 IN CASE OF EMERGENCY 7½ mins. colour BIS 1968
An account of emergency, stand-by generating equipment which automatically responds to a power failure in the main supply. The film provides a brief description of how electricity is distributed throughout Britain by the Grid system of the Central Electricity Generating Board.

cav437 LASER ALIGNMENT 22 mins. colour BIS 1974
The National Physical Laboratory has developed laser instrumentation to measure alignment and deflection with accuracy. This film describes the experiments involved in developing and proving the technique and gives examples of laser alignment in practice.

cav591 YOURS FOR THE ASKING 20 mins. colour BIS 1974
An example of the work of the Overseas Consultancy Service of the Electricity Council showing how men in the National Electricity Board of Malasia were trained in the latest live-line working techniques.

ENGINEERING

Civil Engineering and Building

cav332 BRIDGE OVER THE BOSPORUS 41 mins. colour BIS 1973
The construction of the suspension bridge over the Bosporus between Europe and Asia and the part played by Cleveland Bridge and Engineering in the fabrication and erection of the main towers. The bridge forms part of the new peripheral highway round Istanbul and is the largest suspension bridge in Europe.

cav344 THE CLASP SYSTEM OF BUILDING 20 mins. colour BIS 1968
A demonstration of a prefabricated building process known as the Clasp System. The system incorporates the use of prefabricated steel framework and a standard range of factory-made components. The film shows how the structure is assembled and used in a varied range of buildings such as schools, office blocks and libraries.

COVENTRY CATHEDRAL
see The Arts.

CRY FOR HELP
see Health and Welfare Services -- Health and Hygiene.

EXPRESS LINK WITH EUROPE
see Commerce, Industry and Labour -- Rail Transport.

cav391 FLAMINDA - RAIN BY COMPUTER 30 mins. colour BIS 1975
A detailed account of the construction of the Flaminda irrigation scheme in Romania where British and Romanian engineers worked in close co-operation on a project which will transform a drought-ridden plain into an agricultural wonder. The British team worked on the layout and design and were responsible for re-pumping stations, canal regulating gates, and the fully automatic "on demand" computer control system - the first of its type to be applied to an irrigation scheme anywhere in the world.

cav412 A HERITAGE TO BUILD ON 22 mins. colour BIS 1975
Contrasts the present time, when renewal and renovation of urban environment is a matter of concern, with the past. The film shows that with thoughtful use of today's materials such as concrete, old and modern buildings can be compatible with those of the past.

cav426 AN INTRODUCTION TO PRE-STRESSED CONCRETE
20 mins. colour BIS 1965
This film shows the pre-stressing of concrete by the introduction of steel bars or cables under high pressure into the liquid product.

KARIBA - POWER FOR CENTRAL AFRICA
see The Commonwealth.

cav499 PROBLEMS AND PROGRESS 27 mins. colour BIS 1968
A report on some of the engineering problems overcome during the construction of London's new underground line. The diverting of lines without delaying existing services called for great skill in organisation.

cav506 RATIONALISED BUILDING 20 mins. colour BIS 1967
A demonstration of a John Mowlem & Co. system of speeding up building by pouring specially prepared concrete between previously placed frames to form the exterior and dividing walls for prefabricated buildings. A wide range of British construction equipment is also shown.

cav513 THE RIO-NITERIO BRIDGE 28 mins. colour BIS 1974
The recently completed Rio-Niterio Bridge in Brazil is the longest in the Southern Hemisphere. The 14-kilometre bridge - 8.9 km of it over Guanabara Bay - closes the gap in the 4,000-kilometre highway which links towns and cities on Brazil's Atlantic seaboard. This film shows the part played by two British companies in the construction of the centre bridge spans, using 13,000 tons of British steel, and the close co-operation between the British engineers and foreign workers in this joint venture.

cav516 RIVERSIDE 2000 17 mins. colour BIS 1966
This film paints a broad canvas of the Wimpey Organisation, showing examples of its achievements around the world in building, civil, mechanical and electrical engineering, including a harbour in Aden, a hydro-electric scheme in Turkey, and housing projects in the Middle East.

cav526 SEARCH AND RESEARCH - AN IMPRESSION OF THE BRE
19 mins. colour BIS 1975
This film shows the work of the Building Research Establishment, which provides a technical advisory service for the construction industry both in the UK and overseas. Some current projects shown include the detailed study of building materials, research into the environmental aspects of the growth of new towns, and the study of resources to improve the utilisation of building materials and labour.

cav541 SOURCE TO SEA 21 mins. colour BIS 1974
From source to sea, any river poses problems for, and offers advantages to, the engineer. Shown are the capabilities of Wimpey's laboratories in the control of water in a variety of projects, ranging from designing dams and sewage plants to off-shore installations and tanker terminals.

cav553 TAMING THE TIDE 20 mins. colour BIS 1975
The River Thames is potentially the greatest threat to the safety of London, and high-tide levels have been increasing steadily since the 18th century. Although the capital's flood defences have periodically been strengthened, the need for more extensive flood prevention measures has resulted in the planning of a barrier across the Thames. This barrier will be located at Silvertown and when there is a danger of unusually high tides, rising-sector gates will close across the river.

cav555 TARMAC 16½ mins. colour BIS 1972
The many activities of Tarmac Ltd., a large organisation which supplies asphalt for road-making and construction work. Also provided are roofing felt, cutting tools and other products for mining, quarrying and engineering, both for home and overseas.

TRAVELLING TOWARDS TOMORROW
see Commerce, Industry and Labour -- Road Transport.

TWO ARCHITECTS
see The Arts.

cav571 TWO TUNNELS UNDER THE MERSEY 17 mins. colour BIS 1974
A filmed record of the building and opening of the new Kingsway Tunnel under the Mersey. It shows in detail how the contractor tackled this immense task and how many problems were overcome, particularly those involved with the mechanical mole, used for the main excavation.

cav578 WATER FOR WALES 29 mins. colour BIS 1973

The building of Britain's highest dam - the Llyn Brianne dam in Carmarthenshire. The dam regulates the flow of the River Towy so that a guaranteed supply of water may be drawn off to meet the needs of the industrial areas of Swansea and South Wales.

Engineering and Allied Subjects

cav304 AGE OF INVENTION 24 mins. colour BIS 1975

Throughout Britain there are relics of the Industrial Revolution. The age in question spans the years 1708 - 1850. It started with Newcomen harnessing steam for pumping and Darby finding a new method of casting iron. The film provides a distinguished selection of the relics of the period, and shows how they are integrated with the beauty of the British landscape.

cav316 ASSIGNMENT DAVID BROWN 22 mins. colour BIS 1971

An entertaining account of how the diverse products of the David Brown Corporation impinge on the lives of a great many people in numerous ways. Based broadly on a travelogue format, the film takes in some of the more picturesque areas of Britain and mingles with the crowd at selected national festivals.

cav323 BEARINGS BY THE MILLION 24 mins. colour BIS 1972

A film made for international audiences to show examples of Ransome Hoffman Pollard bearings being used throughout the world. It shows in detail how bearings are manufactured, tested in the laboratory and used.

CLIMATIC PROTECTION IN PACKAGING
see Commerce, Industry and Labour -- Commerce.

DESIGN AND THE ENGINEER
see Education and Youth Activities -- Youth Activities and Vocational Guidance.

cav373 THE ELEMENTS OF SI 17 mins. colour BIS 1974

This film is based on the four classical elements - Earth, Air, Fire and Water. The products manufactured by Smiths Industries fall naturally into these divisions - from heat-resisting rocket nose-cones to automatic aircraft landing gear, and from garden hoses to specialised medical equipment. The film explains the part the company plays in the everyday life of industry, and shows how their products and components are manufactured and used.

cav375 THE ENGINEERS 26 mins. colour BIS 1966

A panorama of the world-wide activities of the Hawker Siddeley Group, showing many outstanding engineering achievements throughout the world. Among those featured are many British inventions - hovercraft, VTOL, and their automatic landing system along with a range of construction undertakings. Award: British Industrial Film Association. 1967.

GAS TURBINE POWER
see Commerce, Industry and Labour -- Air Transport.

INTRODUCING AVERY
see Commerce, Industry and Labour -- Automation and Mechanical Handling.

cav425 INTRODUCING THE DIESEL ENGINE 10 mins. colour BIS 1967
British diesel engines are today providing power for industry, agricultural equipment, railway and road transport. While the diesel engine looks very much like its petrol counterpart, this film describes its working differences and shows its many applications.

cav435 KNOWING THE ROPES 12 mins. colour BIS 1965
Synthetic ropes need to be handled differently from ropes made of natural fibres. This film shows the correct way to handle synthetic ropes so that full advantage can be taken of their longer life and higher performance.

cav484 OPTICAL GRATINGS AND MACHINE TOOLS
$20\frac{1}{2}$ mins. colour BIS 1962
New and versatile methods of measuring, using optical gratings, can now be used to give very high standards of precision in the control and performance of machine tools.

cav489 PERA CUTFAST PROCESS 11 mins. colour BIS 1974
Describes the Production Engineering Research Association of Great Britain's Cutfast process for metal removal in machining operations. Combining the use of modern plasma heating techniques and advanced cutting practice, the process gives twenty times greater metal removal rate than conventional machining methods. The process reduces machining time and production costs.

cav497 POWER THAT MEANS PROGRESS (3 Parts)
15 mins. each colour BIS 1965
Part 1 - Compressed Air Power. The wide range of compressed air and the world-wide backing given by the parent company to their installation and supporting services.
Part 2 - Portable Power Service. The applications of compressed air in the civil engineering world.
Part 3 - Industrial Power Services. How compressed air can be used in a wide range of industries.

cav498 POWER TO SERVE 29 mins. colour BIS 1962
The significance of power as a servant of the British industrial community. The film explains how scientific understanding and technological skills are utilised and deployed in the manufacture of different power units: it concentrates particularly on the wide variety of engines made by Bristol Siddeley Engines, and shows something of the research and testing undertaken before quantity production can commence. Award: Leopoldville, 1964.

cav520 SAFE, SURE AND FOUR WHEEL FAST 17 mins. colour BIS 1974
The GNK Ferguson Formula four-wheel drive system car can go from 0 to 100 m.p.h. to stop in less than twelve seconds. The car tests a variety of GNK Forgings' products under stresses of everyday motoring, as part of their research and development programme. Racing driver Graham Hill discusses the merits of the car.

cav552 THE TALYROND 22 mins. colour BIS 1964
The measurement of roundness in millionths of an inch plays a vital part in modern industry. Instruments like the Talyrond make it possible to attain precise measurements of roundness which help to produce increased efficiency.

cav561 TIME OF CHANGE 20 mins. colour BIS 1967
Against a Welsh musical background this film follows two key workers in the development and production of a new watch of revolutionary design. All stages in the experimental work on the new watch to final production are explained and illustrated.

cav566 A TOUCH OF QUALITY 18 mins. colour BIS 1966
To the uninitiated, steel sheet may seem a very standardised commodity, but Richard Thomas and Baldwins are concerned with the individual customer's problems and the precise specification to meet a particular use. Quality control is paramount and the film shows the most sophisticated steel works automation scheme in Europe.

FOOD AND DRINK INDUSTRY

cav468 MY GLASS AND A HALF A DAY 23 mins. colour BIS 1963
This is a simple and unpretentious account of the manufacture of Cadbury's chocolate.

cav524 SCOTCH 17 mins, colour BIS 1968
The production of genuine Scotch whisky requires care and skill. With modern stills and bottling machines in general use, the process even now relies a great deal on the skill of man.

cav540 SOMETHING NICE TO EAT 22 mins. colour BIS 1967
A film about the art of cooking which at the same time takes a look at modern British gas cooking appliances.

cav560 THIS IS YOUR GUINNESS 15 mins. colour BIS 1975
The story of how Guinness is brewed from barley, hops, yeast and water, by a process which has not changed fundamentally since 1759. All stages of producing beer are shown from the ripening of the hops and barley in the fields, to the great breweries at Park Royal in London and its counterpart in Dublin.

INDUSTRIAL AND BUSINESS MANAGEMENT

cav390 FITTING THE JOB TO THE WORKER 26 mins. b&w BIS 1961

An introduction to Ergonomics - the study of man in relation to his working environment, and the application of modern scientific and engineering methods to the total problem of fitting the job to the worker. The film explains how the principles of Ergonomics have been applied to a number of industial problems ranging from office work to the design and installation of a crane in a steel works, the display of controls in a power station, and the lay-out of a department in a shoe factory.

cav424 INTRODUCING O AND M 29 mins. b&w BIS 1962

The introduction of an O and M (Organisation and Methods) man into a large company, and how initial resistance by the staff is gradually overcome. The film emphasises the need for a new outlook by management and staff before the O and M man can start his work; shows how management is eventually persuaded to reconsider the manner in which they are using this new service, and follows the course of the O and M investigation.

cav455 THE MAN IN THE MIDDLE 28 mins. b&w BIS 1961

An examination of supervisory training in industry and the contribution required from higher management to make it successful.

cav494 POOL OF CONTENTMENT 19 mins. b&w BIS 1946

This cautionary tale, humourously made, satarizes the foibles of government and business executives as seen by their shorthand-typists, and vice versa. The advantages of good techniques of letter dictation and transcription and of the "pool" system of organising this work is driven home with many comedy touches.

cav586 WORK STUDY IN LOCAL GOVERNMENT
27 mins. b&w BIS 1965

To combat staff shortages a town council argues the advantages of seeking advice from organisation and methods study experts to increase efficiency and eliminate wasted time. Concentrating mainly on garbage collection, various ways are suggested by which economies could be made and the advantages of extending method study to other council work is discussed.

cav587 WORK STUDY IN PRINTING 28 mins. b&w BIS 1965

A work study expert enabled a printing firm to reduce wasted time and increase efficiency. It shows, by examples, savings in time when old methods were examined and replaced or improved where possible. Suitable for industrial and specialised audiences.

METAL FOUNDING AND CASTING

cav329 THE BIG MILL 24 mins. colour BIS 1963

"The Big Mill" is a half-mile-long steel-strip mill near Glasgow. The film visits the mill to follow the spectacular processes of making three-mile lengths of rolled sheet steel from thick slabs of metal, in a continuous operation. The finished steel is destined for use in a wide range of industries, in Britain and overseas. Award: Madrid, 1963.

PERA CUTFAST PROCESS

see Commerce, Industry and Labour -- Engineering and Allied Subjects.

cav547 STEAM DRUM WELDING 19 mins. colour BIS 1973

The Steam Drum is a major component of a coal fired power station; 35 metres in length and $2\frac{1}{2}$ metres in diameter, it is normally cast in one piece and transported by road from the foundry to the site. Babcock and Wilcox have developed a new method of welding together three sections of the drum on site, each section having been cast and transported to the site separately.

cav550 STUDY IN STEEL 27 mins. colour BIS 1969

A film showing how steel is made. The basic chemical changes which take place in the transition from iron ore to steel are dealt with in a simple manner and the audience is taken through the processes as they are seen in the steelworks and shown the newest methods of manufacture.

METRICATION

cav403 GOING METRIC IN INDUSTRY - REPORT NO 1

16 mins. colour BIS 1973

The early stages of planning and preparation for metric reorganisation are carefully outlined in this film, and the overall impression given is that metrication, for the firms involved, was not difficult nor the cost excessive. The advantage of adopting an internationally understood language of weights and measures is well emphasized.

OIL INDUSTRY

cav335 BUILT TO SINK 28 mins. colour BIS 1974

A technical film which describes in detail the building of the jacket section of the 20,000 tonnes Graythorp One oil production platform for the BP Forties Field in the North Sea. The complete building operation, involving the clearance of the prepared site, the fabrication of the flotation raft, the erection of special lifting apparatus, and the construction of the jacket, is fully illustrated.

SAFETY AND REHABILITATION

cav393 FOOT'S EYE VIEW 13 mins. colour BIS 1966

A foot safety film in which a careless factory worker is persuaded to use protective shoes.

cav422 IN THE DARK 35 mins. colour BIS 1967

Many people die each year because of accidents at work and at home. Most of these deaths are avoidable. Proper maintenance of machinery and household equipment, clear instructions on their use, and care in handling dangerous machines can prevent accidents.

cav431 JOE'S PARTY 12 mins. colour BIS 1965

Many industrial accidents are caused by failing to exercise care or not observing recognised safety precautions. Although the examples shown take place in a stone quarry, the warnings could apply equally to many industries.

cav471 A NEW LEASE OF LIFE $23\frac{1}{2}$ mins. b&w BIS 1958
re-edit 1966

There are over 10,000 people in Britain, disabled by injury or sickness who, at one time, would have been classed as "unemployables". Today, Industrial Rehabilitation Units re-train them for other jobs. Four such people are followed through their course at one of the Units, from entry to re-employment. Awards: Turin, 1959; Harrogate, 1959; Antwerp, 1960; Stockholm, 1960.

TEXTILES, CARPETS AND CLOTHING

cav300 ABC OF A TO Z 10 mins. colour BIS 1966

Yarn structure is an important factor in fabric manufacture and performance. The A to Z principle, invented and developed in Northern Ireland, involves the treatment of fibres in a special way to produce yarns which have the desired structure and properties for a specific end use. This process is explained and the production of A to Z yarn is shown at a modern spinning plant.

cav314 AS DREAMS ARE MADE OF 13 mins. colour BIS 1965

An unusual showing of modern fashions in man-made fibres. A girl listens to descriptions of model dresses and coats made by the great names of the British Fashion World and dreams of herself wearing them.

cav406 THE GREAT MILL RACE 32 mins. colour BIS 1975

An entertaining and unusual look at the Scottish woollen industry, presented as an imaginary race between a number of mills to produce a tweed suit in record time. The race takes the viewer from the sheep shearing, through calamities and triumphs, to the production of the suit; demonstrating that the industry is technologically advanced with a wide range of jobs derived from the old craft skills.

cav421 INTERNATIONAL WOOLMARK 10 mins. colour BIS 1965
A film which highlights the many uses of pure wool and underlines the quality inherent in the symbol "Woolmark". A brief historical introduction is followed by a series of episodes showing various processes in the treatment of wool: a wool auction, laboratory tests and inspection, colour fastness and demonstrations of wearability.

cav446 LIMITED EDITIONS 32½ mins. colour BIS 1975
Mass production in the textile industry has meant the disappearance of many of the old skills. G.P. & J. Baker have made a virtue of retaining many of these skills and combining their application with modern automated techniques. Their textile designs are often based on original fine tapestries selected from their own private collection, and printed with hand-cut wood blocks or silk screen. A new, continuous operation, rotary silk screen printer has increased output while retaining high quality. All stages of textile manufacture - design, spinning, weaving and printing - are shown.

cav507 READICUT RUGS 13 mins. colour BIS 1969
With Yorkshire as its background, this film shows the process of turning pure wool into short strands ready to knot into canvas-based rugs - teasing, combing, twisting, spinning and dyeing. Designers are shown creating new rugs and cutting stencils to match the chosen colour patterns.

cav589 THE WORLD OF CASHMERE 22½ mins. colour BIS 1965
Care and skill are necessary to transform raw cashmere into finished knitwear. This skill is apparent form the plucking and combing of the fleece of the cashmere goat in the Himalayas to the dyeing, spinning and finishing of the world-famous Scottish product.

TRANSPORT

Air Transport

cav306 AIRBORNE TODAY AND TOMORROW 14 mins. colour BIS 1964
Highlights of the 1964 display of the Society of British Aerospace Constructors at Farnborough.

cav351 CONCORDE - THE 24-HOUR WORLD 28 mins. colour BIS 1973
Portrays an exciting civil aircraft - Concorde - and includes some of the most exciting shots of Concorde in flight ever filmed with the help of the RAF's Red Arrows. Sequences include: development of civil aviation; evolution of Concorde; follow-through of an actual test landing; coverage of Concorde's 1972 world trip - via Iran, India, Singapore, Japan - to Australia.

THE DISPLAY
see Sports and Recreation.

THE ELEMENTS OF SI
see Engineering and Allied Subjects.

cav387 FARNBOROUGH '66 14½ mins. colour BIS 1966
The Farnborough Air Show. A great many missiles and aicraft components and accessories are on view, and there is a display of parachuting, gliding and aerobatics.

cav388 FARNBOROUGH '68 14½ mins. colour BIS 1968
A film of the 1968 Air Show at Farnborough. It shows the various aircraft, civil and military, taking part in flying displays, together with missiles, aircraft components and accessories featured in the ground exhibition.

cav389 FARNBOROUGH '70 (PARADE) 10 mins. colour BIS 1970
The 1970 Air Show at Farnborough. Shown are the various aircraft, civil and military, providing flying displays and featured in the ground exhibition. Includes shots of the supersonic Concorde and of the Harrier, the first and only vertical take-off and landing fighter in Air Force service.

cav398 FRONTIERS OF POWER 22 mins. colour BIS 1967
Shown is the importance of specialised equipment and knowledge in the British aero-engine industry, also of the teams of individuals employed by large companies doing this kind of work. Massive resources are required for this field of advanced and complex technology.

cav400 GAS TURBINE POWER 14 mins. colour BIS 1973
Rolls-Royce produce gas turbine engines for many of the world's aircraft and have developed them for marine and industrial use. This film gives a brief impression of these new applications and shows some of the facilities required to design, develop, produce and service aircraft engines.

cav414 HORIZONS UNLIMITED 28 mins. colour BIS 1966
The British aircraft industry, with its second generation of jets like the Trident, the VC10, and the BAC One-Eleven, is among the world's leaders. Research leads to the production of new types which must be thoroughly tested.

cav433 KESTREL MK. 1 15 mins. colour BIS 1965
The Hawker Siddeley Kestrel is a single-engine transonic jet aircraft which can take off and land vertically and is designed for high-speed low-level strike reconnaissance sorties.

SEEING IS BELIEVING
see Commerce, Industry and Labour -- Computers.

cav543 SPEY POWER 17 mins. colour BIS 1967
A review of the world-wide use of the Rolls-Royce turbofan engine which today powers many of the world's aircraft.

Road Transport

cav308 ALTERNATOR 15 10 mins. colour BIS 1967
This film examines the advantages of an alternator and shows research, aided by computers, into the most acceptable design.

ASSIGNMENT DAVID BROWN
see Commerce, Industry and Labour -- Engineering and Allied Subjects.

cav372 ELEGANT GIRL - OR THE DRIVE FOR RELIABILITY
16 mins. colour BIS 1968
This film explains the factors contributing to the reliability and durability of the modern car. It compares the hand-built pre-war Vauxhall to the current model, to the disadvantage of the vintage cars.

THE ELEMENTS OF SI
see Commerce, Industry and Labour -- Engineering and Allied Subjects.

cav404 GOING PLACES 30 mins. colour BIS 1973
Mobility - the ability to move vast quantities of people and goods from place to place - is essential to present-day life, involving the private car, public transport, freight haulage, cyclists and pedestrians. The film examines the seriousness of the situation and points out how mobility is associated with danger, damage, noise, pollution and ugliness and the need to create a transport system which will improve both communications and the environment in which we live. Of interest to those concerned with planning and the environment, and general audiences.

cav467 MOVING ON 29 mins. colour BIS 1975
A comprehensive look at the work of the Transport and Road Research Laboratory. The projects shown include the designing of miniroundabouts and safer street lamps, and the study of children's road safety habits and drivers' reactions in a variety of situations, reproduced by simulators. Research into bridge and road design is another example of the Laboratory's work, aimed at improving road safety and making more efficient the transportation of goods and people.

cav479 OMNIBUS - FOR ALL 20 mins. colour BIS 1963
The benefits of the passenger-carrying bus are outlined, and the film relates the community services which must be supplied to problems of town planning and traffic congestion, offering some constructive solutions.

cav481 ONE FOR ONE 24 mins. b&w BIS 1964
A visit to London Transport's repair shop for bus engines at Chiswick, London. A multiplicity of engineering processes and mechanical skills are combined in an efficient and economic operation which keeps London's vital bus fleet on the move.

SAFE, SURE AND FOUR WHEEL FAST
see Commerce, Industry and Labour -- Engineering and Allied Subjects.

cav568 TRAVELLING TOWARDS TOMORROW 30 mins. colour BIS 1975
Developing countries need good roads and transportation systems; each country has its own particular environmental problems, such as extremes of temperature, heavy rainfall or difficult terrain, all of which influence the design of roads and bridges. This film includes scenes shot in Columbia, Kenya and Turkey.

Rail Transport

cav379 EXPRESS LINK WITH EUROPE 11 mins. colour BIS 1972
With the technology and knowledge now available a 32-mile tunnel between Folkstone and Calais is to be built. The economics of the project and final engineering studies have been carried out. This film examines the case for new railways investment on both sides of the Channel to take full advantage of the tunnel.

cav396 THE FREIGHTLINER STORY 19½ mins. colour BIS 1967
The film seeks to demonstrate that the product unsuitable for carriage by freightliner service has now become the exception. After showing a terminal in action, the story moves to the factories of several large companies to examine individual transport problems and the way the freightliner service has satisfied them.

cav451 THE LOCOMOTIVE BUILDERS 25 mins. colour BIS 1965
A film demonstrating the English Electric Company's ability to undertake complete planning, design and manufacture of locomotives to meet the specialised requirements of individual railway companies.

cav492 POINTS AND ASPECTS 30 mins. colour BIS 1974
The film follows the intricate production processes and the installation of automatic electronic signals on the London to Glasgow main railway track.

PROBLEMS AND PROGRESS
see Commerce, Industry and Labour -- Civil Engineering and Building.

cav535 THE SIGNAL ENGINEER 26 mins. colour BIS 1961
The signal engineer plays a vital part in Britain's railway services. His contribution to train contol and passenger safety is illustrated, and the film combines a staff training content with an account of modernisation.

Water Transport and Docks

cav305 AID FOR THE ASKING 23 mins. colour BIS 1969
A film demonstrating the correct use of Schermuly's distress signals - flares, coloured marker floats and line rockets - and illustrating their effective use. Aid is always available to anyone in trouble at sea.

cav319 AVONMOUTH - THE MOTORWAY PORT
18 mins. colour BIS 1974
An explanation of the advantages of the Avonmouth Docks and the new development of the West Dock which, when completed, will be able to handle ships of 70,000 tons dead-weight. Shown are the latest techniques in cargo handling including roll-on/roll-off as well as the advantages of having a direct link with the M5 motorway.

cav330 BIRTH OF A GIANT 12 mins. colour BIS 1965
The British Admiral is the largest ship yet built in Europe. This film looks at the life of the shipyard foreman during the three hours prior to its launching by the Queen. Award: British Industrial Film Association, 1965.

cav384 FALMOUTH FOR ORDERS 20 mins. colour BIS 1965
Falmouth, surrounded by pleasant countryside, also has one of the finest natural harbours in the world. The two add up to a combined holiday town and a thriving port.

cav449 LIVING PORT 25 mins. colour BIS 1975
The Port of Felixtowe is one of Britain's major trading ports. This film illustrates the port as it is today, one hundred years after its inception, with its modern facilities and installations, and describes plans for its future development.

cav503 A QUESTION OF VALUE 26½ mins. colour BIS 1975
A visually interesting film that illustrates P & O's widespread activities and interests in shipping and other related fields such as road haulage, road and harbour construction.

SHE'S A LADY
see Britain and the British -- Town and Country (England).

A SHIP OF THEIR OWN
see Sports and Recreation.

cav565 TO SERVE THE MARINER 35 mins. colour BIS 1973
A film on the services to shipping provided by Trinity House, the General Lighthouse Authority for England, Wales, the Channel Islands and Gibralter. Various aspects of the work of Trinity House in controlling lighthouses, lightships and buoys around the coast of Britain are covered in this marine report.

cav588 WORK WITH WATER 16 mins. colour BIS 1973
The Hydraulics Research Station at Wallingford studies problems relating to water. Scale models of coastline and rivers, computer studies and field work are applied by the scientists to provide practical advice on a variety of projects from port improvement to flood control.

THE DEFENCE SERVICES

cav357 CRANWELL SQUADRONS 17 mins. colour BIS 1970
Made to mark the 50th anniversary of the Royal Air Force College at Cranwell, the film shows how the college was formed and concentrates on the modern training techniques used there.

cav463 MISSION SAR 11 mins. colour BIS 1974
A demonstration of the Sea King helicopter which is capable of undertaking day and night missions on search and rescue operations. This film shows its advanced radar and communications system, also versatility of the hold which can carry stretchers, passengers, or 6,000 lbs of freight.

EDUCATION AND YOUTH ACTIVITIES

EDUCATION

cav343 CHILDREN'S THOUGHT AND LANGUAGE
12 mins. colour BIS 1972
The film outlines a project sponsored by the Social Science Research Council to study childhood development of intelligence and to discover how much children understand.

cav378 EXPERIMENT IN TEACHING 21 mins. b&w BIS 1968
A description of new methods of teaching applied science in schools, with particular reference to engineering and technology.

cav408 THE HAPPY ADVENTURE 26 mins. b&w BIS 1964
A portrait of one of the best of Britain's modern infant schools at work. The film captures the essential relationship between teacher and child and the atmosphere that exists in a school dedicated to its children.

THE INSTRUMENTS OF THE ORCHESTRA
see The Arts -- Music, Theatre and Dance.

cav420 AN INTELLIGENT CONCERN 26 mins. colour BIS 1970
This film shows the Duke of Edinburgh in his role as Chairman of the Schools Science and Technology Committee. It focuses on Prince Philip's interest in the current influence of science and technology in British schools and the new method of teaching "project work". Students are shown discussing their projects with the Duke.

cav485 OUR THREE R'S 28 mins. colour BIS 1961
Educational services provided in the city of Glasgow. The film is in three main sections, each illustrating one major aspect of the educational services - first a resume of curriculum and activities in the primary schools, then in the secondary schools, and finally the opportunities for technical training for day-release students.

A PLACE IN THE WORLD
see International.

THE QUESTIONING CITY
see Britain and the British -- Town and Country (England)

ST. ANDREWS BY THE NORTHERN SEA
see Britain and the British -- Town and Country (Scotland)

cav573 UNIVERSITY OF LONDON 21 mins. colour BIS 1962
An overseas graduate recalls with affection his student days in London. Against the panorama of the London scene he remembers his introduction to London University and its many colleges scattered over the capital and the surrounding country.

YOUTH ACTIVITIES AND VOCATIONAL GUIDANCE

cav353 THE CONTACT 11 mins. colour BIS 1964
This film is a story of a spastic youth who forms a friendship with a group of healthy young teenagers. It demonstrates how, with sympathy and help, many spastics can lead full and useful lives, and shows what is being done in Britain for those at grammar schools.

cav363 DESIGN AND THE ENGINEER 21 mins. colour BIS 1974
A film intended to encourage young people to follow a career in engineering design. Design teams in various companies are seen at work on different projects such as trials of a radio tracking system for marine applications, hydraulics and stress work in the manufacture of earth moving equipment, and the development of an anti-skid system for cars and commercial vehicles.

cav409 HARAMBEE - THE WORLD OF THE AWARD
27 mins. colour BIS 1972
The Duke of Edinburgh's Award Scheme is Commonwealth-wide and it operates in forty countries. This film epitomises the spirit of the Award Scheme as shown in Kenya in 1971 when Gold Award winners from sixteen different countries gathered to learn, work and explore together.

cav441 LEADERS START HERE 16 mins. colour BIS 1973
An instructional film designed to give basic information to potential leaders about the Duke of Edinburgh's Award Scheme and in particular the Bronze Award. Young people are seen participating in the four main section activities of the Award - service, leisure pursuits, expedition and physical activities, and design for living. This scheme is at present operating in forty countries, including Canada.

cav448 LIVERPOOL SOUNDING 20 mins. colour BIS 1967
A film on the art, music, sport and study facilities that are available to the youth of Liverpool.

cav486 OUTWARD BOUND GIRLS' SCHEME - NEW HORIZONS
33 mins. colour BIS 1965
The film deals with the Outward Bound Girls' Scheme, sited in Wales, which has as its object to widen the girls' horizons and develop their personalities, whatever their background. Starting with a batch of new arrivals, the film shows how the instructors come to terms with the girls, the initial training, and then the more advanced activities, such as canoeing, camping and rock-climbing.

cav521 THE SCHEME 35 mins. colour BIS 1963
A film portrait of four boys and four girls who are taking part in the Duke of Edinburgh's Award Scheme. Following the adventures of the boys who are on an expedition in Snowdonia, and the girls who are pony trekking in the same district, the film flashes back to examine the daily lives and backgrounds of these young people, and discovers their motives for taking part in the Scheme.

cav558 THESE ARE SCOUTS 30 mins. colour BIS 1971
The film shows what it means to be a scout in 1971 and includes many of the movements's activities such as camping, gliding, boating, caving, etc. The film also shows how a local scout group is run.

cav590 THE YOUNG VOLUNTEERS 30 mins. colour BIS 1965
A film showing how young men and women from Britain - school-leavers, graduates and industrial trainees - volunteer for service anywhere in the world and where their special skills are needed.

THE ENVIRONMENT

BETWEEN THE TIDES
see Britain and the British -- Britain.

THE CHANGING FOREST
see Agriculture, Forestry and Fisheries -- Forestry.

cav345 CLEAN AIR CITY 25 mins. colour BIS 1972
A description of Sheffield and how it has changed its image from a smoke-blackened city to a place which now claims to be the cleanest industrial city in Europe. The film includes shots of the pre-war Sheffield and illustrates the city's progress to a pollution-free area. The film outlines the Corporation of Sheffield's thirteen-year clean-air programme and interviews civic and industrial leaders who explain the thinking behind the results of pollution control - better health, improved plant life, less industrial absenteeism and a higher quality of life.

GOING PLACES
see Commerce, Industry and Labour -- Road Transport.

GUARDIAN OF THE LAKES
see Britain and the British -- Town and Country (England).

HERITAGE IN TRUST
see Britain and the British -- Britain.

A HERITAGE TO BUILD ON
see Commerce, Industry and Labour -- Civil Engineering and Building.

cav429 IT'S ALL MAN-MADE 25½ mins. colour BIS 1973
A film on river pollution which covers such subjects as toxic wastes, dereliction, noise, urban sprawl and air pollution. The River Trent has many environmental problems. Described are the activities of local government on the pollution problem in this area and outlined are some constructive solutions which are helping to ensure that the Trent reaches the sea in a clean condition.

REFUSE WITH A FUTURE
see Commerce, Industry and Labour -- Automation and Mechanical Handling.

SEA SANCTUARY
see Britain and the British -- Town and Country (England).

TAKEN FOR GRANTED
see Government and Citizenship -- Town and Country Planning.

EXPLORATION

cav322 BASED ON DECEPTION 28 mins. colour BIS 1956

Deception, an extinct volcano in British Graham Land at the northernmost point of the Antarctic Continent, was the base for the British expedition which surveyed some 50,000 square miles of surrounding uncharted territory. The camera follows the thirty-three-man expedition from the time they board the freighter *Olaf Sven* at London Docks, showing their arrival, work, and everyday life, at Deception base camp.

cav341 CHALLENGE OF THE NORTH 30 mins. colour BIS 1954

A record of the exploits and accomplishments of the British North Greenland Expedition of 1953-54. The general purpose of this venture was to find the answers to problems of climate, weather and ice, and also to discover how best to live and work in severe arctic conditions, and the film shows how this was successfully achieved.

cav510 RETURN TO SOUTH GEORGIA 22 mins. colour BIS 1966

A record of the 1964/65 Combined Services Antarctic Expedition retracing Shackleton's route across South Georgia to get help when his ship was crushed by pack ice. Actual film of the 1915 expedition is included.

GOVERNMENT AND CITIZENSHIP

CENTRAL AND LOCAL GOVERNMENT

cav302 THE ADVISERS: THE CIVIL SERVANT 30 mins. colour BIS 1973
A film showing parliamentary procedure and the civil servants' role as advisers to the government. It is the job of the civil servant to brief his minister so that he can reply to a parliamentary question and any supplementary questions which might arise. The camera follows the complex procedure during a two-week period following a tricky parliamentary question and we see how the civil servant anticipates the real purpose of the question. The film ends with the reconstruction of the exchange in parliament.

cav336 CAPITAL CITY 26 mins. colour BIS 1974
The City of London covers only one square mile yet it is the most sophisticated money market in the world. This film shows how the City of London sets about its complex task as the metropolitan administrative authority of London.

cav371 ELECTION IN BRITAIN 18 mins. b&w BIS 1960
A film outlining the British electoral system, taking the general election in October 1959 as an example, and showing how the offices in each constituency prepare for the election.

WORK STUDY IN LOCAL GOVERNMENT
see Commerce, Industry and Labour -- Industrial and Business Management.

LAW AND ORDER

cav310 ANYTHING CAN HAPPEN 21 mins. colour BIS 1974
Shows aspects of police work which might be encountered in different parts of Britain. It emphasises the interest, variety and occasional excitement of everyday work, the value of police work to the community, the need for a thorough training in the job and the opportunities for specialisation.

cav327 BETWEEN THE ANVIL AND THE HAMMER
27 mins. colour BIS 1973
A dramatic impression of the day-to-day life of the British policeman, set in the framework of Liverpool. The film presents the problems of policework today and concentrates, in particular, on the community relations aspects of their work. It stresses the need for satisfactory understanding and communication between the police and the community. Recruit training, policing streets, parades and a typical day of routine tasks are covered in this report from Liverpool.

cav493 POLICE WORK IN BRITAIN 13½ mins. b&w BIS 1963

The work of the constable in Britain's police service, showing some of the different situations which the British "Bobby" may encounter in his career. The film shows him at work controlling traffic and crowds; preventing and detecting crime; in the communications and information services; operating with police dogs, with the River Force, or in the Cliff Service Rescue Teams.

TOWN AND COUNTRY PLANNING

cav321 BARBICAN 24 mins. colour BIS 1969

This film about the Barbican development describes the planners' concept for bringing life back to the City of London. The City, densely populated in the nineteenth century, today dies at night. But the Barbican, when complete, will provide the City with an elegant residential neighbourhood for 7,000 people, and include facilities for a wide range of cultural and other amenities.

THE FARMSTEAD IN THE LANDSCAPE

see Agriculture, Forestry and Fisheries -- Agriculture and Farming Techniques.

cav450 LIVINGSTON - A TOWN FOR THE LOTHIANS

21 mins. colour BIS 1969

The establishment and development of the new town of Livingston in Scotland to house the overspill population from Glasgow. The new town, standing on the borders of two counties - Midlothian and West Lothian - was planned as a centre for developing a whole region of Scotland. The film concludes with an impression of how the town will look in twenty years' time.

cav551 TAKEN FOR GRANTED 20 mins. colour BIS 1965

A description of how the Greater London Council tackles the problem of drainage and sewage disposal in an efficient and economic manner.

cav557 THAMESMEAD '68 15 mins. colour BIS 1968

Thamesmead is a new community being developed on the site of the Royal Arsenal by two London Borough Councils, co-operating with government departments, private developers and representatives of many differing organisations. Its 17,000 new homes will provide a new community for 60,000 Londoners.

see also THE ENVIRONMENT.

HEALTH AND WELFARE SERVICES

HEALTH AND HYGIENE

cav315 ASEPSIS - PRINCIPLES IN PRACTICE 20 mins. colour BIS 1973
The dangers of infection in general hospitals, where there is continuous contact between patients and nurses, visitors, medical and auxiliary staff, present constant problems in containing infection. Routine and specialized aseptic practices are shown.

cav333 THE BRITISH WAY OF HEALTH 26½ mins. colour BIS 1973
Outlines the work of the British Health Service through the eyes of a London G.P.; a one-time Chairman of the British Medical Association, now senior partner at Friarsgate Medical Centre; and a consulting plastic surgeon, who heads an ultra-modern hospital and research unit caring for burned patients.

cav340 CARING FOR PEOPLE 22 mins. colour BIS 1972
This film is designed to encourage young people to think of nursing as a career. In exploring the life of a student nurse about to embark on her third year of training, it examines her reasons for taking up nursing and her attitude toward her career.

cav361 CRY FOR HELP 25 mins. colour BIS 1973
This film is the story of co-operation between the Brazilian Government and Coseley Buildings, which resulted in complete hospital units being built in the Amazonas region of Brazil. The units, pre-fabricated in Britain, were shipped to Brazil and erected by local labour under the supervision of British engineers.

cav364 DESIGN FOR HEALTH 22 mins. colour BIS 1975
This film looks at some of the many new hospitals which have been built in Britain since the formation of the National Health Service, and shows a visit by the Secretary of State, Mrs. Barbara Castle, to Greenwich Hospital. The film aims to show Britain's capacity to export fully-equipped hospitals and sophisticated medical equipment and appliances.

cav368 DYING FOR A SMOKE 10 mins. colour BIS 1967
A cautionary tale in animation of one youth's addiction to smoking. The film's aim is to persuade young people from thirteen years and upwards not to begin smoking or to give up the habit if they are already smokers. The psychological reasons for taking up the habit are well illustrated in a humorous fashion; the film also emphasises the arguments against smoking.

cav377 ENROLLED NURSE 19½ mins. colour BIS 1962
A young girl and an older woman with a grown-up family describe the stages of their two-year practical training course, in which they qualified together as State Enrolled Nurses.

cav410 HEALTH SERVICE IN BRITAIN 14 mins. b&w BIS 1961
A survey of medical treatment available under Britain's National Health Service.

cav415 HYPERBARIC MEDICINE 11 mins. colour BIS 1966
Hyperbaric medicine is the treatment of patients in pressure conditions greater than atmospheric pressure.

cav444 LEPROSY 35 mins. colour BIS 1974
The film shows the latest developments in leprosy treatment and the constant demand for further research to cure the growing number of cases. Featured is the drug "Dapsone" which is a pill that can be taken without side-effects.

cav456 MARY LEWIS - STUDENT NURSE 19½ mins. colour BIS 1961
The story of a young girl's three years' training to become a State Registered Nurse in London.

cav469 THE NAME OF THE CLOUD IS IGNORANCE
18 mins. b&w BIS 1965
There is a long-standing prejudice against leprosy. To compel everyone to face the realities and to dispel these ancient feelings, this film was shot in Madras to show the invaluable work being done under the difficult conditions of limited facilities and funds and the greater difficulty of fear and ignorance.

cav501 A QUEST FOR LIFE 20 mins. colour BIS 1973
The film shows many aspects of the new University Hospital of Wales in Cardiff which is a centre of care, research and learning. This vast 53-acre complex, with its gardens, shops and research units has a capacity for 700 patients. The hospital staff works with local industry to combat the problems of noise, backache and factory pollution.

cav512 THE RIGHT TO GIVE 29 mins. colour BIS 1972
Shows how voluntary service operates in the Welfare State and includes the work of the following organisations: Samaritans, Task Force, Dr. Barnardo's, Blood Donors, Lifeguards, etc.

cav539 SMOKING AND YOU 11 mins. colour BIS 1963
A film showing the risks of cigarette smoking. Unglamorous aspects of smoking and its risks to health are contrasted with physical fitness.

CARE OF THE HANDICAPPED

THE CONTACT
see Education and Youth Activities -- Youth Activities and Vocational Guidance.

cav381 EYES OF A CHILD 31 mins. b&w BIS 1961
Dorton House is a residential school for blind boys and girls near Sevenoaks in Kent. Described are some of the teaching methods and equipment, sports and recreational facilities, which are used in the education of blind children.

cav397 FRIEND OF THE BLIND 20 mins. colour BIS 1972
In this film modern teaching aids, equipment and services available to the blind are illustrated and contrasted with conditions existing during the earlier stages in the development of the Royal National Institute for the Blind. With help, a blind person can new be as useful a member of the community as anyone who can see.

cav442 LEADING LADY 22 mins. colour BIS 1960
The work of the "Guide Dogs for the Blind Association" in Britain. The film shows the ways in which the dogs are selected and trained, and then follows the three-month instructional course which is given to the blind student working with his chosen guide dog.

cav443 LEARNING IN SLOW MOTION 30 mins. b&w BIS 1961
How mental defectives can be taught to do repetitive tasks both in sheltered workshops and in ordinary factories. The first part of the film deals with subnormal patients, showing them in various stages of industrial training. The second half concentrates on the underestimated abilities of the more severely subnormal children and adults, and demonstrates their aptitudes for certain types of learning under special conditions.

cav474 NO LONGER ALONE 25 mins. b&w BIS 1961
Illustrates the work of the Royal National Institute for the Blind in training children who have additional physical or mental handicaps.

cav562 THE TIME TO ACT 30 mins. colour BIS 1973
The film explains in detail the action of an Industrial Rehabilitation Unit and the functions of those who run it. The story is designed to show doctors what happens to a patient who is sent on a course there and to persuade them to send patients who would benefit from such a course. Aimed specifically at the Medical Profession; G.P.'s, Medical Social Workers, Medical Students and similar para-medical professions.

cav585 WORKING TOGETHER 20 mins. colour BIS 1967
In Edinburgh a committee co-ordinates the different activities of sixty separate organisations which care for disabled persons. From helping thalidomide children to training the blind for worthwhile work, and from teaching physically handicapped women to cook and run their homes to arranging competitive games and car rallies, the work of the committee is widespread and valuable.

THE ROYAL FAMILY

cav445 THE LIFE OF THE QUEEN MOTHER 19 mins. b&w BIS 1961
HRH Queen Elizabeth the Queen Mother holds a special place in public affection. The film shows some of the many events which forged this esteem - her marriage in 1923 and the overseas tours and crowded public life which followed it, and which she was to continue in growing measure as Queen; her private role as mother; her activities in the second world war; the weddings of her daughters; and the wide field of public service which she has graced so courageously since the death of her husband.

cav519 ROYAL SPRING WEDDING 10 mins. colour BIS 1963
The wedding of HRH Princess Alexandra and the Hon. Angus Ogilvy at Westminster Abbey in April 1963.

cav545 STATE OPENING OF PARLIAMENT (1960)
21 mins. colour BIS 1960
The annual State Opening of Parliament in London is the most colourful and important ceremonial event of the year in Britain. This film brings to the screen for the first time in colour the splendour, dignity and significance in British democratic life of this event and shows the State Drive from Buckingham Palace to Westminster and the assembly of the members of both Houses of Parliament and heads of foreign missions.

cav546 THE STATE OPENING OF PARLIAMENT (1974)
10 mins. colour BIS 1974
This film shows in detail the pomp and ceremony of the annual State Opening of Parliament. The State Drive to Westminster, the procession and the reading of the Speech from the Throne are all included. In the Speech the Queen announces the Government's plans for the coming year. This is the only occasion during the year when the Sovereign, the Lords and the Commons meet.

cav569 TROOPING THE COLOUR - 1974 10 mins. colour BIS 1974
The film captures the pageantry associated with this occasion on which the Colour was trooped by the First Battalion Irish Guards, first formed in 1900 by Queen Victoria.

cav579 WEDDING AT YORK 11 mins. colour BIS 1961
The wedding of HRH the Duke of Kent and Miss Katherine Worsley at York Minster.

SCIENCE AND TECHNOLOGY

cav303 AERIAL SYNTHESIS 18 mins. colour BIS 1972
("Looking at Research" Series). A technique evolved at the Cavendish Laboratory, Cambridge, to meet the Radio Astronomers' need for very large telescopes. The new technique simulates a radio-telescopic dish several kilometres in diameter of a kind too large and impractical to build. By using the earth's rotational pattern and a number of carefully-placed small aerials, this new method will help astronomers to learn more about remote radio sources only just detectable with the use of the one-mile telescope. Award: San Francisco, 1972.

CLIMATIC PROTECTION IN PACKAGING
see Commerce, Industry and Labour -- Engineering and Allied Subjects.

cav366 DISCOVERY - RADAR 13 mins. colour BIS 1961
A cartoon on Britain's scientific lead in the invention of radar and the pioneering breakthrough by Sir Robert Watson Watt before the second world war.

cav427 THE INTRUDERS 16 mins. colour BIS 1961
This film graphically illustrates the life cycle of the cockroach. It follows development from the time the egg-case is dropped by the female, through the various stages of metamorphosis to when the insect becomes adult. Sequences also show how cockroaches have become pests in various types of premises and discuss the problems which have arisen in devising methods of control.

cav428 ISAAC NEWTON TELESCOPE 18 mins. colour BIS 1968
The story of the manufacture, testing, and installation in the Royal Greenwich Observatory, Herstmonceux, Sussex, of the largest and most sensitive optical telescope in Europe, the ninety-eight-inch Isaac Newton.

cav452 LONELY PLACES 23 mins. colour BIS 1966
The building of power stations had threatened the existence of marine, insect and bird life near the sites chosen. Vigorous research is now carried out into this problem, not only into helping preserve wildlife , but also into how fish can be used to combat an unusual marine growth which is causing trouble in some stations.

cav491 PLANNING FOR PEOPLE 13½ mins. colour BIS 1971
This film poses the question - what kind of world will our children live in tomorrow? It investigates the problems concerned in living in an age of high speed and progress, and suggests possible solutions to some of the difficulties they will have to face. The production of food, architecture and town planning, various kinds of transport, communications, teaching and fashions pioneered and styled by new methods and techniques are shown and discussed.

cav511 RICHNESS AND COMPLEXITY 28½ mins. colour BIS 1972
A film designed to introduce to overseas audiences some of the projects carried out by eminent scientists of the British Government Research Council in the fields of high energy physics, medicine, agriculture, the national environment, astronomy and space.

cav518 ROOT GROWTH AND SOIL FAUNA 9 mins. colour BIS 1972
("Looking at Research" Series). At East Malling Research Station, biologists in an underground laboratory with glass walls study the growth of fruit tree roots. Details of attacks by animals in the soil are revealed by the use of time-lapse photography and the microscope.

cav522 SCIENCE FOR THE TROPICS 20 mins. colour BIS 1967
The work of the Tropical Products Institute, London, in helping tropical countries throughout the world to develop their resources.

cav532 SHAPES OF THE FUTURE - RESEARCH IN BRITAIN
28 mins. colour BIS 1969
A film which gives an overall picture of the wide variety of research in Britain today emphasising the co-existence and interchange of fundamental and applied research.

cav574 USING SOUND IN THE SEA 11 mins. colour BIS 1972
("Looking at Research" Series). Acoustic energy can be used to map the deep ocean floor and to locate and control scientific instruments under water. The methods developed by scientists at the National Institute of Oceanography are shown.

SPORTS AND RECREATION

cav307 ALL TOGETHER NOW LADS 27½ mins. colour BIS 1975
The fortunes of a Dorset tug-of-war team, made up of local farmers and building workers: they are seen practising together to achieve teamwork, and competing in both indoor and outdoor events. The film traces the history and growth of the sport of Tug-of-War, and emphasises the need for discipline, relentless training and the correct mental attitude.

cav317 ATLANTIC ADVENTURE 38 mins. colour BIS 1974
Sir Francis Chichester competing and winning second place in the 1964 single-handed yacht race across the Atlantic. His careful preparations are shown along with shots of the actual race.

cav358 CRICKET 18 mins. b&w BIS 1950
Cricket as a game, a craft, an interest of a people and a piece of history. The film shows the craftsmen who make the ball and the bat and the men who use them. It shows cricket being played on a village green, in a London side street, in South Africa and India, and at Lord's. (Grace, Bradman, Compton.)

cav359 THE CRICKET MEMORIAL GALLERY, LORD'S
15 mins. colour BIS 1973
Lord's Cricket Ground is probably the centre of the world for the cricket enthusiasts. We see the cricket museum there which gives a curious insight into British social history, preserving as it does such trophies as: W.G. Grace's snuffbox, the Ashes, the sparrow that was killed by a ball, Jessop's bat, Trumper's pads, old score cards and old club ties.

cav360 CROSS COUNTRY - GO 25 mins. colour BIS 1974
A fast-moving film showing the thrills and spills of some of the most popular cross-country sports including rambling, running, motor cycle scrambles, motor rallying, auto-cross, equestrian events, horsetrials, cyclo-cross and even home-built hovercraft racing.

cav367 DISPLAY 16 mins. colour BIS 1974
Rothmans have sponsored the world's only non-military aerobatics team for over five years, and this film takes a look at a day in the life of the team as they prepare for and participate in, a national air display.

cav376 AN ENGLISHMAN'S HORSE 29 mins. colour BIS 1973
An amusing film giving an insight into the equestrian world. Described are the various phases in competitive events such as dressage, cross-country and show jumping which are all designed to test the skill of horse and rider. Some of Britain's best-known riders are seen taking part in Olympic trials and other competitive events.

cav392 THE FLYING FINNS 27 mins. colour BIS 1968
A film of the "Thousand Lakes" motor rally held in Finland in 1968. It shows the different driving techniques of two of Finland's leading rally drivers, and the way British Fords and Minis stood up to the gruelling conditions.

cav413 HOOK, LINE AND SINKER 25 mins. colour BIS 1972
A day with the skipper of a deep-sea fishing boat off the coast of Wales where fishing for catch such as shark, tope, skate and conger has become increasingly popular. The skipper narrates and introduces the five sportsmen from varied walks of life and shows the modern equipment they use.

cav430 JIMMY HILL - THE STAR BEHIND THE BALL
30 mins. colour BIS 1967
A portrait of one of the most dynamic personalities in the football world - Jimmy Hill, one-time leader of the Professional Footballers' Association and, until October 1967, manager of Coventry City Football Club.

cav434 KIT SENSE 12 mins. colour BIS 1967
A simple instructional film showing how three different people, each skilled at either golf, tennis or fishing, look after their equipment.

cav438 LAWN TENNIS - INSTRUCTION AT WIMBLEDON (2 Parts)
20 mins. each b&w BIS 1960
A film in two parts which demonstrates the strategy and strokes of tennis. The training manager of the British Lawn Tennis Association gives tennis instruction to junior players. His comments on correct methods of play are illustrated by shots at Wimbledon where Mortimer, Gibson, Hoad and Cooper show these principles applied in champion tennis.

cav439 THE LAWS OF RUGBY UNION FOOTBALL
25 mins. b&w BIS 1965
The laws of Rugby Union Football are designed not only to control the game but also to encourage fast, open and attacking type of play. The purpose of this film is to provide a visual explanation of these regulations in a manner that will be helpful to referees, players and spectators. Slow motion and stop-frame techniques are used.

cav466 MOUNTAIN MAN 25 mins. colour BIS 1964
An account of the 1964 Monte Carlo Rally told through the story of one driver's participation.

cav475 NON-STOP BRITAIN 20 mins. colour BIS 1974
Sport events, pageantry and colourful displays can be seen throughout the year in Britain. This film covers some of the exciting occasions - Cowes Regatta, power boat racing, Grand Prix racing at Silverstone, football at Wembley, the Highland Games at Braemar, Henley Royal Regatta, Trooping the Colour, and the Lord Mayor's Show.

cav504 THE RACE OF THE POWER BIKES 48 mins. colour BIS 1973
This film records the tension centred on the big formula 750cc motorcycle race run on the Isle of Man every June. A particular look is taken at the preparation and fortunes of two men at each end of the racing scale - Peter Williams, the no. 1 rider and research and development engineer for the John Player Norton team; Graham Bentman who rides for a small firm and has to pay most of his expenses.

cav505 RALLY TO WIN 22 mins. colour BIS 1971
This film has been made to appeal to the ordinary motorist, to give him a deeper insight into rallying and to encourage more interest in the sport.

cav534 A SHIP OF THEIR OWN 24 mins. colour BIS 1972
A filmed record of the building of the 110-ton training ship "Royalist" for use by the Sea Cadet Corps. Awarded the 1971 Shipping Yacht Trophy by Lloyd's Register of Shipping for design, workmanship and materials. A square-rigged brig, it is the first to be built in Britain for more than sixty years.

cav538 SKI ON WATER 19 mins. colour BIS 1964
A film showing all aspects of water ski-ing from simple instruction for the beginner, to first-class competitive ski-ing.

ST. ANDREWS BY THE NORTHERN SEA
see Britain and the British -- Town and Country (Scotland).

cav549 STROKES FOR BETTER TENNIS 21 mins. colour BIS 1962
Basic tennis strokes explained for the novice and for the more advanced player. Demonstrated are the correct approach, play and follow-through of each stroke, and illustrated how, once these are learned and practiced, variations can be incorporated.

cav583 THE WIND ON THE HEATH 29 mins. colour BIS 1963
A film exploring places of scenic beauty and historic interest amid the mountains and valleys of Britain's ten national parks.

THE COMMONWEALTH

COOK STRAIT STORY
see Commerce, Industry and Labour -- Electric and Electronics Industry.

cav370 EAST WEST ISLAND 30 mins. colour BIS 1966
A colourful impression of Hong Kong showing the many facets of its life and varied industries and how it is an important link in the world-wide communications network of Cable and Wireless Ltd.

cav383 THE FALKLAND ISLANDS 20 mins. colour BIS 1962
An account of everyday life on the remote Falkland Islands, where people are of European, mainly British, descent. The film shows the amenities of the capital, Stanley, and the thriving sheep-rearing industry of the agricultural community, with shots of the coastal wildlife.

cav395 FRAMEWORK FOR THE FUTURE 30 mins. colour BIS 1969
This film, shot in Kenya, Gambia and Sarawak, shows the work of British surveyors in developing countries to provide them with plans for the future development of their national resources and communications. Also shown is the headquarters of the Directorate of Overseas Surveys at Tolworth where the results of the surveys are translated into maps.

cav432 KARIBA - POWER FOR CENTRAL AFRICA
14 mins. b&w BIS 1960
On the 17th May, 1960, HM Queen Elizabeth, the Queen Mother, opened the Kariba Dam in Northern Rhodesia (now Zambia). This film tells the story of its construction, and the difficulties which had to be overcome before the Kariba Gorge could become the biggest man-made lake in the world.

cav509 REPORT TO THE GODS 27 mins. colour BIS 1967
A review of Hong Kong showing many aspects of life in the city seen through the eyes of a "household god" who comes to life and appears in many guises and reports to the gods on what his family has achieved in the previous year, in the fields of education, housing, medicine, science and industry.

cav554 TANGANYIKA - NEW NATION 9 mins. colour BIS 1962
A record of HRH Prince Philip's visit to Tanganyika during the Independence celebrations.

cav575 USUTU 34 mins. colour BIS 1962
A film describing a large reforestation project in Swaziland, undertaken by the British. Fifty million trees were planted, a specially designed pulp mill constructed incorporating new processes based on British research. With the forest grew a new town, with schools, clinics, and other social amenities. Progress is followed through the eyes of an African family.

INTERNATIONAL

ARABIA - THE FORTUNATE
see Commerce, Industry and Labour -- Communications.

cav347 THE COLOMBO PLAN 10 mins. colour BIS 1961
The Colombo Plan links a number of countries throughout the world pledged to improve each other's economic conditions. To increase prosperity and make the earth fruitful, technical knowledge and experience, equipment and funds, are essential before progress can be made. This colour cartoon shows how the people of Colombo Plan countries are benefiting from the fruits of co-operation.

CRY FOR HELP
see Health and Welfare Services -- Health and Hygiene.

cav490 A PLACE IN THE WORLD 33 mins. colour BIS 1969
Introduced by Lord Mountbatten, this film presents the Atlantic College, the first school of the International Council of World Colleges. The College takes young people from all countries just before university, coaches them to pass the examinations of their own countries, and provides character building Outward Bound activities, including sea and cliff rescue teams.

THE RIO-NITERIO BRIDGE
see Commerce, Industry and Labour -- Civil Engineering and Building.

RIVERSIDE 2000
see Commerce, Industry and Labour -- Civil Engineering and Building.

SCIENCE FOR THE TROPICS
see Science and Technology.

TRAVELLING TOWARDS TOMORROW
see Commerce, Industry and Labour -- Road Transport.

THE YOUNG VOLUNTEERS
see Education and Youth Activities -- Youth Activities and Vocational Guidance.

BIS INDEX

page	title
B 62	A B C of A to Z
B 37	Accidents Are Seldom Accidents
B 74	Advisers, The: The Civil Servant
B 80	Aerial Synthesis
B 57	Age of Invention
B 67	Aid for the Asking
B 63	Airborne Today and Tomorrow
B 82	All Together Now Lads
B 65	Alternator 15
B 39	Animal Doctor
B 74	Anything Can Happen
B 53	Apollo in Ascension
B 51	Arabia - The Fortunate
B 41	Artist Looks at Churches, An
B 62	As Dreams Are Made Of
B 76	Asepsis - Principles in Practice
B 57	Assignment David Brown
B 82	Atlantic Adventure
B 48	Atomic Energy Explained
B 67	Avonmouth - The Motorway Port
B 50	Bank of England, The
B 75	Barbican
B 73	Based on Deception
B 57	Bearings by the Million
B 43	Beauty in Trust
B 53	Behind the Scene
B 49	Best of Both Worlds, The
B 74	Between the Anvil and the Hammer
B 43	Between the Tides
B 61	Big Mill, The
B 67	Birth of a Giant
B 50	Bridge Across the World
B 54	Bridge Over the Bosporus
B 76	British Way of Health, The
B 49	Broad Daylight
B 61	Built to Sink
B 74	Capital City
B 47	Cardiff: The Capital City
B 40	Care of Timber
B 43	Caring for History

B 76 Caring for People
B 73 Challenge of the North
B 40 Changing Forest, The
B 69 Childrens' Thought and Language
B 54 Clasp System of Building, The
B 72 Clean Air City
B 51 Climatic Protection in Packaging
B 86 Colombo Plan, The
B 50 Colour
B 41 Colour by Numbers
B 52 Communicate to Live
B 63 Concorde - The 24-Hour World
B 37 Concrete Pays
B 70 Contact, The
B 53 Contracting Circuits
B 53 Cook Strait Story
B 41 Coventry Cathedral
B 68 Cranwell Squadrons
B 82 Cricket
B 82 Cricket Memorial Gallery, Lord's, The
B 82 Cross Country - Go
B 76 Cry for Help
B 49 Crystal

B 70 Design and the Engineer
B 76 Design for Health
B 41 Design for Today
B 80 Discovery - Radar
B 82 Display
B 76 Dying for a Smoke

B 45 East Anglican Holiday
B 85 East West Island
B 74 Election in Britain
B 65 Elegant Girl - Or the Drive for Reliability
B 57 Elements of SI, The
B 48 Engineer and the Atom, The
B 57 Engineers, The
B 82 Englishman's Horse, An
B 76 Enrolled Nurse
B 69 Experiment in Teaching
B 66 Express Link with Europe
B 48 Eye for Isotopes
B 78 Eyes of a Child

B 50	Facets of Glass
B 85	Falkland Islands, The
B 67	Falmouth for Orders
B 37	Farmers in Business
B 37	Farmstead in the Landscape, The
B 64	Farnborough '66
B 64	Farnborough '68
B 64	Farnborough '70 (Parade)
B 60	Fitting the Job to the Worker
B 55	Flaminda - Rain by Computer
B 83	Flying Finns, The
B 62	Foot's Eye View
B 37	Formula for Progress
B 85	Framework for the Future
B 66	Freightliner Story, The
B 78	Friend of the Blind
B 64	Frontiers of Power

B 43	Gardens of Britain
B 64	Gas Turbine Power
B 50	Gift of a Lifetime
B 43	Go as You Please in Britain
B 61	Going Metric in Industry
B 65	Going Places
B 39	Golden Guernsey, The
B 62	Great Mill Race, The
B 45	Guardian of the Lakes

B 69	Happy Adventure, The
B 70	Harambee - The World of the Award
B 77	Health Service in Britain
B 44	Heritage in Trust
B 55	Heritage to Build On, A
B 83	Hook, Line and Sinker
B 64	Horizons Unlimited
B 77	Hyperbaric Medicine

B 54	In Case of Emergency
B 40	In Great Waters
B 48	Inside Harwell
B 42	Instruments of the Orchestra
B 69	Intelligent Concern, An
B 63	International Woolmark
B 62	In the Dark
B 49	Introducing Avery

B 60	Introducing O and M
B 58	Introducing the Diesel Engine
B 55	Introduction to Pre-Stressed Concrete, An
B 80	Intruders, The
B 80	Isaac Newton Telescope
B 72	It's All Man-Made
B 83	Jimmy Hill - The Star Behind the Ball
B 62	Joe's Party
B 85	Kariba - Power for Central Africa
B 64	Kestral MK. 1
B 83	Kit Sense
B 58	Knowing the Ropes
B 46	Land of Plenty, A
B 54	Laser Alignment
B 83	Lawn Tennis - Instruction at Wimbledon
B 83	Laws of Rugby Union Football, The
B 37	Laws of the Land, The
B 70	Leaders Start Here
B 78	Leading Lady
B 78	Learning in Slow Motion
B 77	Leprosy
B 79	Life of the Queen Mother, The
B 63	Limited Editions
B 46	Line to Skye, The
B 70	Liverpool Sounding
B 67	Living Port
B 75	Livingston - A Town for the Lothians
B 66	Locomotive Builders, The
B 80	Lonely Places
B 52	Machines to Move the Mail
B 38	Making Reservoirs with Polythene Sheeting
B 60	Man in the Middle, The
B 77	Mary Lewis - Student Nurse
B 49	Masterminds of Movement
B 51	Meet the Midland
B 38	Method Study in Agriculture
B 45	Midland Country
B 39	Milk for Profit
B 39	Million Pounds a Day, A
B 68	Mission S A R
B 39	Modern Sheep Dipping

B 41	More by Design
B 83	Mountain Man
B 65	Moving On
B 59	My Glass and a Half a Day
B 77	Name of the Cloud is Ignorance, The
B 38	New Grass for Old
B 62	New Lease of Life, A
B 52	News Story
B 45	No. 1 London
B 78	No Longer Alone
B 83	Non-Stop Britain
B 45	North to the Dales
B 48	Nuclear Power '65
B 48	Nuclear Power Reactors
B 65	Omnibus - For All
B 46	One Day in Irvine
B 66	One for One
B 51	One Man and his Bank
B 42	On Such a Night
B 58	Optical Gratings and Machine Tools
B 69	Our Three R's
B 70	Outward Bound Girls' Scheme - New Horizons
B 39	Over to Colworth
B 53	Pattern, Purpose and Prospect
B 58	Pera Cutfast Process
B 86	Place in the World, A
B 80	Planning for People
B 66	Points and Aspects
B 75	Police Work in Britain
B 60	Pool of Contentment
B 44	Portrait of a People
B 52	Post Office Tower of London, The
B 58	Power That Means Progress
B 58	Power to Serve
B 55	Problems and Progress
B 46	Prospect of Scotland, The
B 77	Quest for Life, A
B 46	Questioning City, The
B 67	Question of Value, A
B 84	Race of the Power Bikes, The
B 84	Rally to Win

B 55	Rationalised Building
B 63	Readicut Rugs
B 49	Refuse with a Future
B 85	Report to the Gods
B 73	Return to South Georgia
B 81	Richness and Complexity
B 77	Right to Give, The
B 55	Rio-Niterio Bridge, The
B 51	Risk
B 51	Risk Takers, The
B 56	Riverside 2000
B 47	Rivers of Delight - The Conwy
B 81	Root Growth and Soil Fauna
B 79	Royal Spring Wedding
B 59	Safe, Sure and Four Wheel Fast
B 71	Scheme, The
B 81	Science for the Tropics
B 38	Science of Farming, The
B 59	Scotch
B 47	Sea City - Greenock
B 56	Search and Research - An Impression of the B R E
B 44	Searoad to Britain
B 46	Sea Sanctuary
B 53	Seeing is Believing
B 39	Shape of Milk to Come, The
B 41	Shapes of Progress
B 81	Shapes of the Future - Research in Britain
B 46	She's a Lady
B 84	Ship of Their Own, A
B 66	Signal Engineer, The
B 42	Sir Basil Spence
B 42	Sir Basil Spence (Pacemakers Series)
B 84	Ski on Water
B 77	Smoking and You
B 59	Something Nice to Eat
B 56	Source to Sea
B 44	Speaking of Britain
B 65	Spey Powder
B 47	St. Andrews by the Northern Sea
B 79	State Opening of Parliament (1960)
B 79	State Opening of Parliament, The (1974)
B 61	Steam Drum Welding
B 38	Story of Growth, A
B 84	Strokes for Better Tennis
B 61	Study in Steel

B 75	Taken for Granted
B 59	Talyrond, The
B 56	Taming the Tide
B 85	Tanganyika - New Nation
B 56	Tarmac
B 47	Tayside
B 75	Thamesmead '68
B 71	These Are Scouts
B 51	This Is Lloyd's
B 59	This Is Your Guinness
B 59	Time of Change
B 78	Time to Act, The
B 40	To Catch a Fish
B 52	Tomorrow's Merseysiders
B 67	To Serve the Mariner
B 59	Touch of Quality, A
B 38	Tractor Sense
B 66	Travelling Towards Tomorrow
B 79	Trooping the Colour - 1974
B 42	Two Architects
B 56	Two Tunnels Under the Mersey
B 47	Ulster Today
B 70	University of London
B 81	Using Sound in the Sea
B 85	Usutu
B 52	Voices in Orbit
B 38	Warren Farm - A Stake in the Future
B 57	Water for Wales
B 79	Wedding at York
B 50	Wedgwood (1966)
B 50	Wedgwood (1973)
B 46	West at Work, The
B 84	Wind on the Heath, The
B 45	Womens' Institute
B 78	Working Together
B 60	Work Study in Local Government
B 60	Work Study in Printing
B 68	Work with Water
B 63	World of Cashmere, The
B 71	Young Volunteers, The
B 54	Yours for the Asking

sir george williams collection

C - SIR GEORGE WILLIAMS COLLECTION

TABLE OF CONTENTS

page	subject
C 97	FINE ARTS
C 97	Art Education
C 97	Art History
C 99	Cinema
C 102	Creative Arts
C 102	Drama
C 105	HUMANITIES
C 105	Biography
C 105	Communications
C 107	History
C 112	Linguistics
C 112	Literature
C 113	Philosophy
C 115	SCIENCE
C 115	Astronomy
C 116	Biology
C 117	- Botany
C 118	- Cellular
C 119	- Ecology

C 121 - Genetics
C 122 - Zoology
C 124 Chemistry
C 126 Computer Science
C 126 Engineering - Civil
C 127 - Electrical
C 128 - Mechanical
C 129 Geology
C 130 Physics
C 138 - Fluid Mechanics
C 141 SOCIAL SCIENCES
C 141 Anthropology
C 141 Economics
C 141 Education - Educational Technology
C 143 - Psychology of Education
C 144 - Special Education
C 144 - Teaching Methods
C 145 - Vocational Guidance
C 146 Geography
C 147 - Ecology
C 148 - Meteorology
C 148 Management
C 150 Political Science

C 151 Psychology
C 151 - Behavioural
C 154 - Child and Adolescent
C 155 - Industrial
C 155 - Perceptual
C 156 Religion
C 158 Sociology - Social Deviance and Social Control
C 159 Man and Society
C 160 Social Development
C 161 C - Index
C 170 Producer Index
C 173 Series Index

FINE ARTS

ART EDUCATION

cav715 ART: WHAT IS IT? WHY IS IT?
30 mins. colour EBF 1962
This perceptive analysis of art does much to unravel the mystery surrounding man's urge to paint, carve, and build. A host of masterpieces filmed throughout Europe and America embellish the commentary.

PURPLE TURTLE
see Social Sciences - Education, Special Education

SHAPE OF A LEAF
see Social Sciences - Education, Special Education

ART HISTORY

cav714 ART OF THE MIDDLE AGES
30 mins. colour EBF 1963
Through the visual study of cathedrals built in France after the year 1000, the film attempts to reconcile the art of the Age of Faith with the mind of the Age of Science. Insight into the development of the feudal system, which made these cathedrals economically possible, is presented.

cav716 ATHENS: THE GOLDEN AGE
30 mins. colour EBF 1962
An appraisal of why Athens in the fifth century B.C. has been described as "the most civilized society that has ever existed". One can discover how the Athenians' achievements in government, law, art, architecture and drama are still apparent in today's society.

cav736 CHARTRES CATHEDRAL
30 mins. colour EBF 1963
Three periods of medieval history are represented in Chartres Cathedral, with its Romanesque, early Gothic and late Gothic styles of architecture. This synthesis of intellect and mysticism culminates in the actual engineering of the cathedral.

cav765 LEONARDO DA VINCI (GIANT OF THE RENAISSANCE)
25 mins. colour EBF 1957
Presents the life and work of the man who best exemplified the spirit of the Renaissance, Leonardo Da Vinci - master of painting and sculpture, architect and inventor, as well as the author of a scientific method which foreshadowed modern research. The musical background consists of works composed before the 13th century.

cav796 FALLACIES OF HOPE
50 mins. colour BBC 1969
The progressive disillusionment of the artists of the Romantic Movement is traced through the works of Beethoven, Byron, Gericault, Turner, Delacroix and Rodin.

cav813 THE FROZEN WORLD
52 mins. colour BBC 1969
Defines civilization and gives a synoptic view of the six centuries following the collapse of the Roman Empire. Lord Clark of Saltwood travels from the Byzantine Ravenna to the Celtic Hebrides, from the Norway of the Vikings to Charlemagne's chapel at Aachen and reveals the story of how European art and philosophy were saved.

cav824 GRANDEUR AND OBEDIENCE
50 mins. colour BBC 1969
Lord Clark is in the Rome of the Counter Reformation - the Rome of Michelangelo and Bernini. The Catholic Church, in its fight against the Protestant north, developed a new splendour symbolized by the glory of St. Peter's.

cav826 THE GREAT THAW
52 mins. colour BBC 1969
The sudden reawakening of European civilization in the 12th century is traced from the first manifestations at the Abbey of Cluny to its high point, the building of Chartres Cathedral.

cav835 THE HERO AS ARTIST
50 mins. colour BBC 1969
Three great artists, Michelangelo, Raphael and Da Vinci are the protagonists in this program, which centers on Papal Rome in the early 16th century.

HEROIC MATERIALISM
see Humanities - History

THE LIGHT OF EXPERIENCE
see Humanities - History

MAN THE MEASURE OF ALL THINGS
see Humanities - History

PROTEST AND COMMUNICATION
see Humanities - History

THE PURSUIT OF HAPPINESS
see Humanities - History

cav957 THE RENAISSANCE (ITS BEGINNINGS IN ITALY)

26 mins. colour EBF 1957

Photographed entirely in Italy and France, this film portrays the rise of the Renaissance - a period when Europe awoke to a new awareness about man and his surroundings. Examples of Renaissance painting, sculpture and architecture are included.

ROMANCE AND REALITY

see Humanities - History

THE SMILE OF REASON

see Humanities - History

cav1047 THE WORSHIP OF NATURE

52 mins. colour BBC 1969

Presents an examination of the belief in the divinity of nature, through a study of Tintern Abbey and the Lake District of Wordsworth, the Swiss Alps and the ideas of Rousseau, and the landscapes of Turner and Constable.

cav1048 FRANK LLOYD WRIGHT

30 mins. b/w NBC 1958

One of the world's most original and influential architects discusses his theories of functional architecture and analyzes contemporary styles, tracing them back to Greek and Asiatic origins.

CINEMA

cav711 THE ART DIRECTOR

8 mins. b/w MMPI 1946

Demonstrates how motion picture sets are designed and constructed, with emphasis on the research employed to ensure authenticity.

cav720 BASIC PRINCIPLES OF FILM EDITING

8 mins. b/w ACE 1963

Compares a dramatic scene without editing and the same scene using the editing technique to enhance the drama.

cav741 THE CINEMATOGRAPHER

8 mins. b/w MMPI 1951

Explains the steps by which a technician becomes a cameraman and demonstrates the variety of equipment, lights and lenses used by the cinematographer.

cav749 COMPOSITION IN BLUE

4 mins. colour Fischinger 1934

This blend of animation techniques is a virtuoso exercise in the musical manipulation of marching squares, swimming circles, shrinking cylinders and vanishing masses.

cav781 AN EDISON ALBUM
13 mins. b/w BHAWK
Included are "The Kiss" (1896), "The Old Maid In The Drawing Room"(1900), "Street Car Chivalry" (1901), "Romance Of The Rails" (1902), and an excerpt from "Escape From An Eagle's Nest" (1907) with D.W. Griffith.

cav799 FILM APPRECIATION: ART
30 mins. colour HSTFR/OFM 1966
Discusses the ingredients of harmony, editing, artistic truth and imagination which contribute to the final artistic product . Includes sequences from feature films, illustrating these concepts.

cav800 FILM APPRECIATION: ELEMENTS
30 mins. colour HSTFR/OFM 1966
Discusses the role of the script writer , editor and director in filmmaking - an art produced by a team of specialists. Examines the use of close-ups, medium shots and long shots for the most powerful and creative effects.

cav801 FILM APPRECIATION: LANGUAGE
25 mins. colour HSTFR/OFM 1966
An explanation of film as a visual language, with illustration of the different elements of this medium. These include the use of various lenses, camera angles, the effects of lighting and the balance of composition.

cav802 FILM APPRECIATION: NATURE OF THE FILM MEDIUM
25 mins. colour HSTFR/OFM 1966
Examines the role of camera movement in the portrayal of dramatic action, the emotional effects of acceleration or slow motion in filming and the use of visual symbols.

cav827 THE GREAT TRAIN ROBBERY
10 mins. b/w BHAWK 1903
Copied from a vintage print of the 1903 film by Edison. It was the first motion picture to tell a complete story and to utilize intercutting, rather than mere chronological order, for dramatic effect.

cav840 HISTORY BROUGHT TO LIFE
10 mins. b/w MMPI 1957
Demonstrates the work done by Hollywood research experts to produce accuracy of mood and authenticity of detail in motion picture presentations of historical periods. Includes scenes from various films.

cav848 INTERPRETATIONS AND VALUES
30 mins. b/w ACE 1963
Shows a dramatic sequence of a motion picture as shot from various angles and three different interpretations achieved by editing.

cav865 LIES
57 mins. colour Gatineau 1976
Documents the preparation, rehearsal and filming of key scenes from Jan Kadar's film "Lies My Father Told Me". "Lies" is an impressionistic, cinematic search into the organic process through which a feature film is born and also presents insight into the true machinations of feature filmmaking and unusual artistry.

cav901 THE MOVIES LEARN TO TALK
26 mins. b/w CBS 1959
Follows the development of sound movies from early experiments at the turn of the century to the "Jazz Singer" in 1927 and the polished sound film of today. Provides glimpses of thirty-four personalities and excerpts from twelve silent and sound films.

cav966 THE SCREEN DIRECTOR
8 mins. b/w WB 1951
Suggests that, to make the best use of the artistic talents and technical resources at his command, the director must possess a knowledge of a wide variety of jobs; including those of the actor, the costume designer, the electrician, the property men, the musician and the film editor.

cav967 THE SCREEN WRITER
9 mins. b/w WB 1951
Stresses the importance of the screen writer's script in the production of a feature motion picture. Illustrates the processes by which stories are selected for production and explains the screen writer's task of expressing written ideas in terms of visual imagery.

cav986 THE SOUND MAN
8 mins. b/w CPC 1951
In explaining the techniques for synchronizing sound in motion pictures, the film summarizes the evolution of the "talking film", defines the fundamental theories of acoustics and illustrates the technology involved in recording and mixing.

cav1000 SUPERMAN
10 mins. colour PAR 1941
The first Superman colour cartoon, made before live action Superman films were produced. Reveals the origin of Superman and his battle with the Electric Ray.

cav1003 SYMMETRY
11 mins. colour STGT 1967
Employs animated, semi-abstract figures to define symmetry. The arrangements and continual movements of the figures develop in controlled progression from simple to more complex symmetries. Throughout, the figures obey strict mathematical principles.

UP IS DOWN
see Social Science - Sociology, Man and Society

URBANISSIMO
see Social Science - Sociology, Man and Society

CREATIVE ARTS

ART: WHAT IS IT? WHY IS IT?
see Fine Arts - Art Education

cav926 PAINTING A PORTRAIT
10 mins. colour EBF 1957
Beginning with a preliminary pencil sketch, Eliot O'Hara demonstrates the stages in the creation of a water colour portrait. Explanation of the tonal quality of the paint, the use of highlight and shadow, colour and texture, and different brush and wash techniques are illustrated.

cav941 POTTERS AT WORK
30 mins. colour Gross 1976
Filmed in Japan, this production illustrates the stages of pottery making as an art expression and a way of life. Each stage, from obtaining the raw clay to the final product, is accomplished through the craftsmanship of two Japanese families. The artistry is conveyed through images rather than the use of commentary.

cav1041 WHY MAN CREATES
25 mins. colour Bass 1968
Organized into eight major sections, this film combines humour, satire and irony with serious questions about the wellsprings of the creative person. It examines the world of ideas, the creative person's struggle, society's contribution to the creative process and explores possible relationships between ideas and institutions.

DRAMA

The following are screen study extracts from the feature films starring Sir Laurence Olivier :

cav829 HAMLET AND THE GHOST
15 mins. b/w RANK/SEFT 1948
Presents Act 1; Scenes 4 and 5.

cav830 HAMLET: THE CLOSET SCENE
15 mins. b/w RANK/SEFT 1948
Presents Act 3; Scene 4.

cav831 HAMLET: THE FINAL DUEL
15 mins. b/w RANK/SEFT 1948
Presents Act 5; Scene 2.

cav832 HAMLET: THE GRAVEDIGGERS SCENE
9 mins. b/w RANK/SEFT 1948
Presents Act 5; Scene 1.

cav834 HENRY V
20 mins. colour RANK/SEFT 1944
Presents Act 1, as it was played at The Globe Theatre.

cav842 THE HUMANITIES: WHAT THEY ARE AND WHAT THEY DO
30 mins. colour EBF 1959
Clifton Fadiman introduces the humanities, emphasizing that they are man's ideas and feelings about life recorded in different ways. He uses examples of literature, photography and music to show the relevance of the humanities for the individual.

cav917 OEDIPUS REX: THE AGE OF SOPHOCLES
30 mins. colour EBF 1959
Bernard Knox discusses the customs, culture and philosophy of the ancient Greeks. He also explains the origins and conventions of the Greek theatre and the tragedy of Oedipus.

cav918 OEDIPUS REX: THE CHARACTER OF OEDIPUS
30 mins. colour EBF 1959
Important scenes from the play are presented. Oedipus' character and actions are described and analyzed in view of Aristotle's theory of the "fatal flaw" in all tragic characters.

cav919 OEDIPUS REX: MAN AND GOD
30 mins. colour EBF 1959
The philosophical message that man, no matter how great his ability, is subordinate to God, is presented. This theme is reinforced when Oedipus, representing the worldly liberal thought infusing Greek civilization, is beaten by the gods.

cav920 OEDIPUS REX: THE RECOVERY OF OEDIPUS
30 mins. colour EBF 1959
Man's existence is viewed as somewhere between God and beast and he is always searching for his rightful place. Real knowledge of life, through the painful search for truth, is revealed in this final lesson and brings all the foregoing thought to a climax.

cav924 OUR TOWN AND OURSELVES
30 mins. colour EBF 1959
Discusses the conventions and techniques utilized in "Our Town", by Thornton Wilder. The significance of the play to the individual member of the audience is also considered.

cav925 OUR TOWN AND OUR UNIVERSE
30 mins. colour EBF 1959
After introducing "Our Town", Clifton Fadiman evaluates the play as a commentary on "the contrast between each tiny moment of our lives and the vast stretches of time and place in which each individual plays his role".

cav927 PEER GYNT
86 mins. b/w CBC 1957
A delightful production of Ibsen's play, by the Stratford Festival Company. Depicts the picaresque adventures of the legendary Norse hero in search of his identity.

cav1010 THE THEATRE: ONE OF THE HUMANITIES
30 mins. colour EBF 1959
Clifton Fadiman discusses the distinctions between the main elements of the play and other forms of literary expression. The interrelationships of the script, the actors and the audience are considered.

HUMANITIES

BIOGRAPHY

LEONARDO DA VINCI (GIANT OF THE RENAISSANCE)
see Humanities - History

MAHATMA GANDHI
see Humanities - History

JAWAHARLAL NEHRU
see Humanities - History

BERTRAND RUSSELL
see Humanities - Philosophy

DAISETZ SUZUKI
see Humanities - Philosophy

PAUL J. TILLICH
see Humanities - History

THE WORLD OF JACQUES YVES COUSTEAU
see Science - Biology, Zoology

FRANK LLOYD WRIGHT
see Fine Arts - Art History

COMMUNICATIONS

cav745 COMMUNICATION CONFERENCE
31 mins. b/w OSU 1965
Discusses the influence of conceptual factors in the interpretation of media and events. Illustrates the changing role of the teacher brought about by the increase in the application of instructional technology.

cav746 THE COMMUNICATION REVOLUTION
21 mins. b/w OSU 1967
This film expounds upon the impact of the information explosion and mass media on western civilization. Examines the concept of a new distribution of power through a re-distribution of information.

cav846 INFORMATION EXPLOSION
34 mins. b/w/colour OSU 1967
Marshall McLuhan, Rollo May, Cesar Chavez, and other authorities discuss the changing role of communication, which has made possible the transmission, storage, duplication and distribution of information world wide.

cav855 JOURNALISM - MIRROR, MIRROR ON THE WORLD?
52 mins. b/w NET 1968
The veracity of print and media journalism is examined through the analysis of the same news story, as covered by NBC's David Brinkley, The Washington Post, United Press International and The New York Times. Reveals the deficiencies in the four stories and presents a defence of each by the editor concerned.

cav902 MUSIC RESEARCH
15 mins. b/w OSU 1967
Dr. Sphoh explains his research and application in learning methods for music. Dr. E. Maltzman, whose concepts and teaching machines utilize B.F. Skinner's theories, explores the development of perceptual and motor skills in music. Includes an interview with B. F. Skinner.

cav929 PERCEPTION AND COMMUNICATION
32 mins. colour OSU 1967
Gives concrete examples of how human perceptions affect the communication process and the individual's concept of reality. Introduces the cognitive and transactional theories of perception.

cav948 PROCESS OF COMMUNICATION
46 mins. b/w OSU 1967
Illustrates theory and method of communication in industrial, military and educational settings, using eight "models". Emphasizes the role of the teacher in the total communication process.

STAGING FOR TELEVISION
see Social Science - Education, Educational Technology

cav1004 THE TEACHER AND TECHNOLOGY
49 mins. b/w OSU 1967
Presents a series of pictorially documented programs which illustrate some of the ways in which technology is being used to meet the dual problems of masses of students and the need for individualized instruction.

cav1005 TEACHING MACHINES AND SIDNEY PRESSEY
12 mins. b/w OSU 1964
Dr. Sidney Pressey explains the development of his auto-instructional teaching and testing devices, used to supplement primarily instructional methods, and shows how different models apply to classroom situations. B.F. Skinner's reinforcement theory is defined and illustrated through the use of these machines.

TELEVISION DIRECTING
see Social Sciences - Education, Educational Technology

TELEVISION LIGHTING
see Social Sciences - Education, Educational Technology

cav1012 THIS IS MARSHALL MCLUHAN: THE MEDIUM IS THE MASSAGE
53 mins. colour NBC 1967
Presents exciting visual interpretations and representatives of Dr. McLuhan's explosive ideas about the manner in which all media of communication shape and alter society, concentrating on the new electronic media and instruments which are speeding up our lives, processing information and, most fundamentally, shaping our sensibilities.

THIS QUESTION OF VIOLENCE
see Social Sciences - Sociology, Social Deviance and Social Control

THE WAR ON GOBBLEYGOOK
see Humanities - Linguistics

cav1037 WHAT'S HAPPENING TO TELEVISION?
60 mins. b/w NET 1966
Presents a critical view of television programming, including comments by network executives, news commentators, critics, writers, the president of the Neilson rating system, and the chairman of the F.C.C. The film also discusses the viewer's responsibility towards television content.

cav1039 THE WHOLE WORLD IS WATCHING
55 mins. b/w NET 1969
Television reporters, including David Brinkley and Walter Cronkite, and critics such as Senator John O. Pastore and John Fischer examine the question of bias in television news casting. The topics considered include television coverage of the 1968 Democratic National Convention and restraints upon television.

HISTORY

cav701 ADMIRAL DEWEY'S VICTORY AT MANILA
27 mins. b/w YAF 1955
Re-creates the day's events on May 1st, 1898, when Admiral Dewey was victorious over the Spanish fleet in Manila Bay.

ART OF THE MIDDLE AGES
see Fine Arts - Art History

ATHENS: THE GOLDEN AGE
see Fine Arts - Art History

cav732 CAVE DWELLERS OF THE STONE AGE
18 mins. colour EBF 1960
Re-creates the life of the Neanderthal and Cro-Magnon cave dwellers from artifacts, skeletons, cave paintings and dramatic scenes reconstructed in the Dordogne region of southwestern France, where the cave of the Cro-Magnon man was first discovered.

CHARTRES CATHEDRAL
see Fine Arts - Art History

CIVIL ADMINISTRATION IN TIMES OF REVOLUTION
see Social Sciences - Political Science

cav743 THE CIVIL RIGHTS MOVEMENT: THE NORTH
23 mins. b/w NBC 1963
Newsreel shots, taken in Chicago when Blacks moved into a White area, illustrate the tension characterizing race relations in the North. Sources of Black discontent, such as unemployment, inadequate educational facilities, and the overall segregation which the northern slums perpetuate, are documented.

cav744 THE CIVIL RIGHTS MOVEMENT: THE SOUTH
28 mins. b/w NBC 1963
Considers the Civil Rights Movement after the Supreme Court desegregation decision. Recalls Little Rock in 1957, the 1955 Montgomery bus boycott, the Greensboro sit-ins and the 1963 registration day problems at the University of Alabama.

cav763 CULLODEN
70 mins. b/w BBC 1964
Filmed at the battle site, using reportage and cineverite techniques, the production re-creates the last battle to be fought on British soil. Culloden marked the end of the Jacobite rebellion against the Hanovarian monarch George 1.

LEONARDO DA VINCI (GIANT OF THE RENIASSANCE)
see Fine Arts - Art History

cav766 THE DECISION TO DROP THE BOMB
35 mins. b/w NBC 1965
Studies how and why the decision to drop the bomb over Hiroshima was made, by presenting moral, political and scientific questions. It includes interviews with participants or close confidants and considers the meaning of "overkill".

cav782 EGYPT: CRADLE OF CIVILIZATION
12 mins. colour EBF 1962
Illustrates Egyptian achievements in art, architecture, medicine, astronomy and mathematics as contributions to the development of western civilization.

cav783 THE EGYPTOLOGISTS

25 mins. colour UCHI 1965

This edited version of the film documents the archeological journey to the Aswan Dam. It presents the work of historians, archeologists, and other researchers as they plan and execute the expedition to salvage history.

cav791 EMPEROR AND SLAVE: THE PHILOSOPHY OF ROMAN STOICISM

29 mins. colour EBF 1965

In this film, the Roman emperor Marcus Aurelius and Epectetus, an emancipated slave, epitomize the stoic philosophy. The essential features of stoicism are defined and its origins traced to early Greece. Its relationships to Roman achievements are considered.

FALLACIES OF HOPE

see Fine Arts - Art History

THE FROZEN WORLD

see Fine Arts - Art History

cav819 MAHATMA GANDHI

19 mins. b/w EBF 1955

Photographs and film clips are utilized in documenting the highlights of the life and the achievements of India's political and spiritual leader Traces Gandhi's efforts to gain freedom for his people and discusses the effectiveness of his philosophy of non-violent resistance.

GRANDEUR AND OBEDIENCE

see Fine Arts - Art History

THE GREAT THAW

see Fine Arts - Art History

THE HERO AS ARTIST

see Fine Arts - Art History

cav836 HEROIC MATERIALISM

50 mins. colour BBC 1969

Lord Clark of Saltwood's thoughts on the world in which we are now living take him from the English industrial landscape of the nineteenth century to the skyscrapers of contemporary New York; the world of the radio telescope, and the exploration of space.

cav845 THE INDUSTRIAL REVOLUTION IN ENGLAND

26 mins. colour EBF 1959

Dramatizes the changes in England during the nineteenth century, when "the domestic system" was replaced by "the factory system". Explains how the power loom, the spinning jenny and the steam engine transformed the English economy.

DR. LEAKEY AND THE DAWN OF MAN
see Social Sciences - Anthropology

cav866 THE LIGHT OF EXPERIENCE
50 mins. colour BBC 1970
Reports how the telescope and the microscope revealed new worlds in space and in a drop of water; and the realism of Dutch painting carried a stage further the observation of human character.

cav880 MAN - THE MEASURE OF ALL THINGS
50 mins. colour BBC 1970
Provides a visit to Florence, where European thought was given a new impetus by the discovery of the classical past, and an appraisal of the palaces of Urbino and Mantua - both centers of Renaissance civilization.

cav882 MAU MAU
52 mins. colour ADP 1972
As a sequel to David Koff's documentary "White Man's Country", "Mau Mau" deals with the Black African's struggle to achieve political independence. Newsreel clips of the years 1950-52 are used, in addition to interviews with White settlers and African leaders, to trace the growth of the African resistance movement.

cav905 JAWAHARLAL NEHRU
30 mins. b/w NBC 1957
The late Prime Minister of India discusses his career and world events with the former U.S. Ambassador to India, Chester Bowles. Nehru describes his early life, his friendship with Gandhi, his experiences and hardships during the fight for freedom and expresses his views on India's contemporary problems.

OEDIPUS REX: THE AGE OF SOPHOCLES
see Fine Arts - Drama

cav944 PREHISTORIC MAN IN NORTHERN EUROPE
14 mins. b/w EBF 1961
Traces the significant developments of man's life from the beginning of the New Stone Age, through the ages of Bronze and Iron, to the end of the Prehistoric Age.

cav951 PROTEST AND COMMUNICATION
52 mins. colour BBC 1969
The theme of protest and communication leads Lord Clark to the Reformation - the Germany of Albrecht Durer and Martin Luther to Erasmus, to the France of Montaigne, and to the Elizabethan England of Shakespeare.

cav954 THE PURSUIT OF HAPPINESS
50 mins. colour BBC 1969
Provides reflections on the nature of the music of Bach, Handel, Haydn and Mozart and on the way that some of its qualities are reflected in the best of the Rococo architecture, the pilgrimage churches and the palaces of Bavaria.

THE RENAISSANCE (ITS BEGINNINGS IN ITALY)
see Fine Arts - Art History

cav961 ROMANCE AND REALITY
52 mins. colour BBC 1969
The aspirations and achievements of the later Middle Ages in France and Italy are explored through the poetry of Dante and the Anjou Tapestries.

cav982 THE SMILE OF REASON
52 mins. colour BBC 1970
The polite reunions in the elegant salons of eighteenth century Paris became precursors of revolutionary politics. Lord Clark's theme takes him from great palaces such as Blenheim and Versailles to Edinburgh and to the hills of Virginia, where Thomas Jefferson made his home in the 1760's.

cav1014 DR. PAUL J. TILLICH
29 mins. b/w WQED
The noted theologian, philosopher and author considers the place of religion in the philosophy of life. He defines "morality", discusses the church, love, the "dimension of the spirit" and examines the ingredients necessary to make a moral decision.

cav1026 WASHINGTON CROSSES THE DELAWARE
27 mins. b/w CBS 1956
Reconstructs the events of December 25th, 1776, when George Washington and his troops crossed the Delaware to surprise and defeat the Hessians at Trenton.

cav1038 WHITE MAN'S COUNTRY
52 mins. colour ADP 1972
An historical documentary on colonialism in Africa. Interviews with Africans and White settlers, as well as photographs and documents are utilized to depict the history of the White conquest of Kenya, from the 1890's to 1950. Colour photographs shot from a helicopter over the Kenya Highlands and a musical background by Peter Frampton are included.

THE WORSHIP OF NATURE
see Fine Arts - Art History

LINGUISTICS

cav712 ARTICULATORY HABITS IN FRENCH AND ENGLISH
11 mins. b/w CINEDESSINS 1975
This bilingual film presents a demonstration of the fundamental differences between French and English articulatory habits, through the use of close-up photography of the lips and animated drawings showing tongue movements in regular and slow motion. Produced under the direction of Dr. Gilbert Taggart, Professor of French and Comparative Phonetics at Concordia University.

cav815 FUNDAMENTALS OF ACOUSTICS
11 mins. b/w EBF 1950
Compares sound waves with water waves, provides examples of echoes and demonstrates the effects of different wall surfaces upon the reverberation of sound. Also explains the mechanics of our hearing process and the range of the human voice.

cav987 THE SOUNDS OF LANGUAGE
32 mins. b/w MLAA 1961
Explains the various language sound systems, intonation patterns, rhythms and stresses. Points out that the tendency to carry over sound patterns from one's native speech presents a difficulty in learning a second language. Illustration is provided by a Spanish class for English speaking people.

SOUND WAVES AND THEIR SOURCES
see Science - Physics

cav1025 THE WAR ON GOBBLEYGOOK
28 mins. colour HSTFR/OFM 1965
Emphasizes the importance of clarity in the spoken and written forms of language and stresses the need for simplicity, directness and honesty in communication.

cav1042 WORDS AND THEIR MEANINGS
32 mins. b/w MLAA 1961
Scenes from a French class for English speaking people illustrate the deficiencies of literal translation in second language teaching. The film explains that meaning depends on linguistic and external contexts in which language is utilized.

LITERATURE

HAMLET AND THE GHOST
see Fine Arts - Drama

HAMLET: THE CLOSET SCENE
see Fine Arts - Drama

HAMLET: THE FINAL DUEL
see Fine Arts - Drama

HAMLET: THE GRAVEDIGGERS SCENE
see Fine Arts - Drama

HENRY V
see Fine Arts - Drama

THE HUMANITIES: WHAT THEY ARE AND WHAT THEY DO
see Fine Arts - Drama

cav914 THE ODYSSEY: THE CENTRAL THEMES
28 mins. colour EBF 1965
Gilbert Highet draws attention to the fact that the three diverging themes pervading "The Odyssey" are based on a central moral truth: even against terrible odds, intelligence, combined with bravery and determination, will win.

cav915 THE ODYSSEY: THE RETURN OF ODYSSEUS
26 mins. colour EBF 1965
This film focuses upon the activities of Odysseus, after his return to Ithaca, and the manner in which these actions slowly reveal his clever and courageous character.

cav916 THE ODYSSEY: THE STRUCTURE OF THE EPIC
27 mins. colour EBF 1965
The complexity of the poem is unravelled to expose three interlocking tales: first, the story of Odysseus' escape from the island and his return to Ithaca; next, the story of Telemachus and his growth to manhood, and finally a long flashback which recounts Odysseus' adventures during his wanderings.

OUR TOWN AND OURSELVES
see Fine Arts - Drama

OUR TOWN AND OUR UNIVERSE
see Fine Arts - Drama

THE THEATRE: ONE OF THE HUMANITIES
see Fine Arts - Drama

PHILOSOPHY

cav709 ARISTOTLE'S ETHICS: THE THEORY OF HAPPINESS
30 mins. colour EBF 1962
Dr. Mortimer Adler considers the philosophical problem of what makes a human life "good" and what one must do to live well. Aristotle's definition of happiness is compared with that in the American Declaration of Independence. Thus the film can be studied within the context of man's happiness as it relates to democracy.

EMPEROR AND SLAVE: THE PHILOSOPHY OF ROMAN STOICISM
see Humanities - History

THE HUMANITIES: WHAT THEY ARE AND WHAT THEY DO
see Fine Arts - Drama

PLATO'S APOLOGY: THE LIFE AND TEACHINGS OF SOCRATES
see Social Science - Political Science

cav950 PROGRESS
29 mins. b/w NET
Discusses the role of progress during the history of mankind. Dr. Reinhold Niebuhr, Professor of Applied Christianity, is questioned concerning areas where progress has occurred and relates this advancement to the problems it has brought about.

cav962 BERTRAND RUSSELL
30 mins. b/w NBC 1958
The Nobel Prize winner talks about his "eighty years of changing beliefs and unchanging hopes". As a mathematician and philosopher, he discusses the needs of the world and his hopes for the future.

cav978 A SHORT VISION
7 mins. colour Folds 1964
An impressionistic view of the destruction of the world by the atomic bomb. Portrays the horrifying consequences of nuclear war through the narration and the use of animated water colour drawings.

cav1002 DAISETZ SUZUKI
30 mins. b/w NBC 1958
Japan's distinguished philosopher of Zen Buddhism converses with Houston Smith, Professor of Philosophy at MIT. Suzuki speaks of his religious experience and explains some of the basic concepts of the Zen faith.

SCIENCE

ASTRONOMY

cav735 CHARTING THE UNIVERSE WITH OPTICAL AND RADIO TELESCOPES
13 mins. colour EBF 1963
Explains and illustrates the instruments and methods utilized by astronomers. Examines the work of radio astronomers and astrophysicists in their search for facts about the universe and considers the necessary co-operation between different observatories in solving the mysteries of outer space.

cav778 THE EARTH IN MOTION
11 mins. b/w EBF 1936
Investigates the earth as an astronomical body, its relation to the sun and its motion. Presents evidence of earth's sphericity, axis rotation, revolution around the sun and the inclination of its axis.

cav779 ECLIPSES OF THE SUN AND MOON
11 mins. colour EBF 1965
Stop motion and time-lapse photography are used to produce an actual solar eclipse on the screen. An animated sequence reveals the cause and effect of a total solar eclipse.

cav780 ECLIPSE 1
10 mins. colour Harrison/SGWU
Presents a definition of the phenomenon of lunar eclipses and an examination of their scientific and historical/mythological significance. Time-lapse footage of the February, 1971 total lunar eclipse is included, along with illustrative models.

cav803 THE FIRST COLOUR MOVIE OF THE PLANET EARTH
15 mins. silent colour NASA 1968
Shows various sectors of the earth photographed on November 18th, 1967, by the NASA spacecraft ATS III, from a distance of 22,300 miles over Brazil.

cav857 JUPITER, SATURN AND MARS IN MOTION
8 mins. silent colour EBF 1960
Time-lapse photographs taken at Mount Wilson Observatory illustrate significant characteristics of the planets Jupiter, Saturn and Mars. Shows approximately ten hours rotation time of the Planet Jupiter; shots of Saturn show how weather conditions affect telescopic observation; photographs of Mars show its polar cap and a planet-wide dust storm.

MAGNETIC FORCE
see Science - Physics

cav897 THE MOON
11 mins. b/w EBF 1936
Describes the moon's gravitational pull, which causes the earth's tides, and clarifies reasons for the phases of the moon. Animated drawings and moving models symbolize the motions of the moon in its orbit around the earth, with the earth and with the earth around the sun.

cav935 PLANETS IN ORBIT - THE LAWS OF KEPLER
10 mins. b/w EBF 1959
Traces a brief history of man's earliest observations and beliefs about the universe and reveals how Johannes Kepler made three discoveries which revolutionized astronomy. Explanation of Kepler's laws is presented through animated sequences.

cav985 SOLAR FAMILY
11 mins. b/w EBF 1936
An introductory study of the planets - their evolution, motions, sizes, and satellites. Descibes the evolution of the solar system according to the Planetesimal Hypothesis and traces the real and apparent motions of the planets.

cav989 SPACE PROBES - EXPLORING OUR SOLAR SYSTEM
11 mins. colour EBF 1964
Using models of spacecraft and instruments, animation and live photography, the film tells the story of man's efforts to explore the outer regions of space - from the launching of Pioneer 1 in 1958 to current programs.

cav992 STARS AND STAR SYSTEMS
16 mins. b/w EBF 1959
Illustrates the work of astronomers using the reflecting and radio telescopes. Investigates the way in which astronomers rely on theoretical analysis as well as direct observation to obtain answers to the mysteries of the universe.

BIOLOGY

BRAIN AND BEHAVIOUR cav728
see Social Science - Psychology, Behavioural

BRAIN AND BEHAVIOUR cav729
see Social Science - Psychology, Behavioural

THE CHEMISTRY OF BEHAVIOUR
see Social Science - Psychology, Behavioural

cav811 FROM ATOMS TO ORGANISMS
28 mins. colour AIBS 1959
Presents ideas concerning the organization of matter within organisms. Describes biology as the study of the place of atoms, molecules, cells, matter and energy in the structure and function of organisms.

cav817 FUNDAMENTALS OF THE NERVOUS SYSTEM
17 mins. colour EBF 1959
Uses live photography, microphotography and animation to illustrate the two major divisions of the nervous system and their functions. Demonstrates how the nervous system conveys information from the sense organs to the brain, co-ordinates the information and directs muscles and organs to adaptive behaviour.

cav850 INTRODUCTION TO BIOLOGY
14 mins. b/w EBF 1952
Emphasizes the significance of biology as a means of understanding oneself. Describes the life processes and depicts the ways in which biology is applied to such problems as combating disease and controlling insect pests.

THE MIND OF MAN
see Social Science - Psychology

NUCLEAR RADIATION: USES IN MEDICINE
see Science - Physics

cav964 SCIENTIFIC METHOD
12 mins. colour EBF 1953
Explains the steps of the scientific method and demonstrates its applications. It discusses the value of this method in dealing with the everyday problems of life. Features the discovery of penicillin.

SENSE PERCEPTION - PART I - THE WONDER OF THE SENSES
see Social Science - Psychology, Perceptual

SENSE PERCEPTION - PART II - THE LIMITATION OF THE SENSES
see Social Science - Psychology, Perceptual

Botany

cav708 ANGIOSPERMS: THE FLOWERING PLANTS
21 mins. colour EBF 1962
Describes the structural and reproductive characteristics which distinguish angiosperms from other plants. Animation and time-lapse photography are used to trace the processes of pollination, the formation of seeds and fruit, seed dispersal and plant growth.

cav818 FUNGI
16 mins. colour EBF 1960
Demonstrates why fungi are simple plants which are dependent upon other organisms for food. Illustrates how they grow and obtain food and explains their importance as a food source, as agents in food processing and as a cause of disease in plants and animals.

cav828 GYMNOSPERMS
17 mins. colour EBF 1961
The various stages in the development of the gymnosperm are investigated through the study of the pine cone. Animation and time-lapse photography trace the growth of the seed. Examples of lesser known gymnosperms are presented and the importance of the conifer is examined.

cav923 OSMOSIS
17 mins. colour EBF 1958
By means of photomicrography, time-lapse photography and animation, the inner mechanisms of plants are investigated. Explanation of the way in which water is transported through the plant is provided. Laboratory experiments illustrate the process and film techniques explain the laws of nature which allow osmosis to take place.

cav931 PHOTOSYNTHESIS
21 mins. colour EBF 1967
Controlled experiments test the photosynthetic process and show how each component - light, carbon dioxide, water, and chloroplasts - is essential. Also introduces several concepts, such as the formation of intermediate compounds, and the effect of different types of light.

cav980 SIMPLE PLANTS - THE ALGAE
18 mins. colour EBF 1962
This film illustrates the typical forms of algae, explains their structure, describes their evolutionary development and examines how they have adapted to all types of moist environments. Photomicrography demonstrates the reproductive processes.

Cellular

cav740 THE CHROMOSOMES OF MAN
20 mins. b/w EBF/TC 1967
Demonstrates the methods of preparing cells for chromosome study in the laboratory. Photomicrography of cell division shows how chromosomes split and build up two daughter sets with the same number of chromosomes. The film also shows abnormal chromosome arrangements and concludes with chromosome analysis used in studies of cancer.

cav774 DNA: MOLECULE OF HEREDITY
19 mins. colour EBF 1960
Dr. George W. Beadle, discoverer of DNA and Nobel prize winner, explains why DNA is the basis of growth and reproduction and the mechanism for transporting hereditary "specifications" from one generation to the next. Illustrated with photomicrography, animation and models.

cav814 FUNCTION OF DNA AND RNA IN PROTEIN SYNTHESIS
16 mins. colour MGHT 1967
This film opens with a view of the cell in the process of division. The daughter cells are observed to be half as big as the original cell and the question is raised as to how the process of cell growth takes place and how it is controlled.

cav885 MEIOSIS: SEX CELL FORMATION
16 mins. colour EBF 1963
Examines how this process occurs in the formation of the sex cells. Illustrates the sequence of changes in the parent-cell nucleus which results in the creation of two daughter cells. Shows how meiosis enables plants and animals to produce offspring with a wide variety of characteristics, and investigates the role of meiosis in evolution.

cav889 MITOSIS
24 mins. colour EBF 1961
The fundamental process of cell division in plant and animal life is presented and the importance of the mitotic process to the growth and maintenance of an organism is considered. Photomicrography shows the process of cell division taking place in a living cell. The effects of chemicals and radiation on dividing cells are demonstrated.

cav998 THE STRUCTURE OF PROTEINS AND NUCLEIC ACIDS
21 mins. colour MGHT 1967
Using animation, diagrams, molecular models and live action, this film points out the major chemical constituents of a cell and stresses the need for these materials to be synthesized anew following each cell division. It discusses the nature of amino acids, proteins and DNA and explores the need for and means of their exact duplication.

Ecology

cav731 THE CAVE COMMUNITY
13 mins. colour EBF 1960
Examines how the study of plant and animal life in the unusual and relatively unchanging environment of the cave community provides biologists with important data for understanding some of the mechanisms of adaptation and evolution of species. Explores the evolutionary and adaptive modifications of cave dwelling bats, fish, salamanders and insects.

cav747 THE COMMUNITY
11 mins. colour EBF 1962
Introduces the concept of the ecological community. Shows the complex network of interrelationships among a group of plants and animals adapted to the same general physical conditions, and demonstrates that each organism in a community plays a particular role. Food chains and food webs of typical biotic communities are presented.

CRUSTACEANS (LOBSTERS, BARNACLES, SHRIMP AND THEIR RELATIVES)
see Science - Biology, Zoology

cav769 THE DESERT
22 mins. colour EBF 1962
Illustrates the interrelationships between plant and animal life and the physical environment of the desert. The geographical locations of desert areas, their ecological conditions, the causes of their formation and their aridity are studied.

cav773 DISTRIBUTION OF PLANTS AND ANIMALS
16 mins. colour EBF 1963
Explains how the survival and distribution of animals in a given geographical area are influenced by the rate of increase, the ability to disperse and to surmount physical and biological barriers.

THE GRASSLANDS
see Social Sciences - Geography

cav903 NATURAL SELECTION
16 mins. colour EBF 1963
Presents a report on three important experiments concerning the role of natural selection in evolution: a study of bird predation as a factor in the survival of variant species of moths; a study of natural selection among plant populations; investigation of the development of resistance among mosquitoes to insecticides.

cav932 THE PHYSICAL ENVIRONMENT
11 mins. colour EBF 1963
Studies some of the ways in which organisms are adapted to their environmental conditions and offers examples of specific adaptations to particular physical factors.

cav936 PLANKTON AND THE OPEN SEA
19 mins. colour EBF 1962
Typical forms of plankton are studied and the importance of the minute organisms to marine food chains is investigated. Photomicrography and laboratory experiments demonstrate how plankton are studied in floating and shore-based laboratories.

cav940 POPULATION ECOLOGY
19 mins. colour EBF 1963
Analyzes the effects of the environment upon the surplus or decline of births over deaths. Within the laboratory, the surplus of births develops in a predictable pattern, when natural enemies, food factors, and other environmental factors favor such a surplus.

SUCCESSION: FROM SAND DUNE TO FOREST
see Social Science - Geography, Ecology

cav1009 THE TEMPERATE DECIDUOUS FOREST
17 mins. colour EBF 1962
Illustrates the complex network of plant and animal interrelationships which characterize the temperate deciduous forest community and studies their adaptations to seasonal change. The full yearly cycle is shown through the use of time-lapse, photomicrography, and live photography.

cav1034 WHAT IS ECOLOGY?
11 mins. colour EBF 1961
Introduces the study of ecology by illustrating the wide variety of interrelationships between plants, animals and the environment. Demonstrates how biologists study these reciprocal relations and explains the importance of such studies to mankind.

Genetics

cav726 BIOCHEMICAL GENETICS
30 mins. b/w UNIVFI 1961
Dr. G.W. Beadle defines the study of biochemical genetics, discusses Garrod's discoveries in the field, and relates them to some of the metabolic diseases which result from genetic defects in man. He also examines the means of creating genetic mutations in the Neurospora.

cav821 GENE ACTION
16 mins. colour EBF 1963
Through the use of animation, the film defines the structure of DNA, how it replicates itself and explains how the DNA code determines the structure of a cell's proteins. Demonstrates, through an experiment with Neurospora, the way in which genetic mutation results in an organism's inability to carry on specific biochemical reactions.

cav859 LAWS OF HEREDITY
15 mins. colour EBF 1963
Examines how inheritance can be determined in statistically predictable ways. Presents insights into the work of Gregor Mendel and considers his conclusions.

Zoology

cav706 AMPHIBIAN EMBRYO (FROG, TOAD AND SALAMANDER)
16 mins. colour EBF 1963
Utilizes time-lapse and microphotography with animated cross section diagrams to illustrate the developmental processes by which a single-celled amphibian egg is transformed into a many-celled adult organism.

cav710 ARMY ANTS: A STUDY IN SOCIAL BEHAVIOUR
19 mins. colour EBF 1966
This film investigates two species of army ants, which were observed and photographed in the Panama Canal Zone. It presents the basic structure of an ant colony, examines the behaviour of ants, and presents evidence of stimuli which influence their behaviour.

cav738 THE CHICK EMBRYO: FROM PRIMITIVE STREAK TO HATCHING
13 mins. colour EBF 1960
Time-lapse photography and photomicrography are used to show the chief processes in the development of the chick embryo from primitive streak, through the incubation period, to actual hatching.

cav762 CRUSTACEANS (LOBSTERS, BARNACLES, SHRIMP AND THEIR RELATIVES)
14 mins. colour EBF 1955
Examines the structures, functions and habitats of the crustacean, including the fairy shrimp, plankton, barnacles, crabs, lobsters and crayfish. By concentrating on the crayfish, the processes of food gathering, reproduction, autotomy and moulting are explained. The economic value of the crustacean and its role in maintaining the balance of nature is considered.

cav804 FLATWORMS (PLATYHELMINTHES)
16 mins. colour EBF 1962
Introduces the organization and functions of the flatworm body, and illustrates the advance it represents over the more primitive coelenterates. Regeneration demonstrations with the planarian illustrate the principles of polarity, anterior-posterior gradient and dominance.

cav823 MISS GOODALL AND THE WILD CHIMPANZEES
28 mins. colour NGS 1966
In this film, Jane Goodall studies the behaviour of the chimpanzee by actually living with a group of these primates in the Tanzanian rain forest. Her research reinforces the theory that a complete understanding of the chimp will lead to a better understanding of man.

cav854 THE JOINT-LEGGED ANIMALS: ARTHROPODS
19 mins. colour EBF 1962
Illustrates the structural and functional characteristics of animals in the phylum Arthropoda, provides examples from each of the five classes, and describes their evolutionary development. Metamorphosis and moulting processes are examined using photomicrography and time-lapse photography. The economic importance of arthropods to man is discussed.

cav895 MOLLUSKS (SNAILS, MUSSELS, OCTOPUSES, AND THEIR RELATIVES)
14 mins. colour EBF 1955
Discusses the five classes of mollusks, including their physical characteristics, reproductive processes, feeding habits and methods of protection. Defines the special habitat of each of these classes.

cav952 PROTOZOA (ONE-CELLED ANIMALS)
11 mins. colour EBF 1957
Dr. Roman Vishniac presents an exploration into the world of one-celled animals - pseudopods, flagellates, and ciliates. Provides examples of symbiosis, parasitism and colonial organizations.

cav970 SEGMENTATION: THE ANNELID WORMS
16 mins. colour EBF 1961
Describes the structure and functions of the segmented worm body system, and shows that the segmented annelid worm body plan represents an important evolutionary development. The major classes of phylum Annelida are illustrated.

cav995 STINGING-CELLED ANIMALS: COELENTERATES
17 mins. colour EBF 1962
Provides examples of the three classes of phylum Coelentera, including fresh and salt water types. Examines the typical body plan, methods of obtaining and digesting food, how they reproduce by sexual and asexual processes and modes of locomotion.

cav1033 WHAT IS AN AMPHIBIAN?
11 mins. colour EBF 1962
Illustrates the body structure and life process of amphibians which allow them to live in water and on land. Examines the development, from an egg to maturity, of these organisms. Also traces the origin and evolution of the amphibian, and discusses the ways in which the study of them has contributed to man's knowledge of embryology.

cav1044 THE WORLD OF JACQUES YVES COUSTEAU
48 mins. colour NGS 1966
Records the events in the lives of six oceanauts who pioneered an inner space expedition 328 feet below the surface of the Mediterranean for 27 days. Experiments concerning pollution, radioactivity and plant growth at great depths were undertaken.

cav1046 WORMS: THE ANNELIDA
13 mins. colour EBF 1955
Presents a detailed study of the four classes of annelid worms; their structure, behaviour and habitats. Explains processes of locomotion, respiration, digestion and reproduction, with special attention given to the life cycle of the earthworm.

CHEMISTRY

cav718 ATOMS AND THEIR WEIGHTS
30 mins. b/w EBF 1958
Illustrates how individual masses of atoms can be measured in a mass spectograph. Reviews kinds in weight units commonly used.

cav770 DETERMINATION OF MOLECULAR WEIGHTS OF GASES
30 mins. b/w EBF 1958
Experimentally compares the weight of an unknown gas with oxygen and determines the molecular weight of the unknown gas.

cav776 DUNNSCHICHTCHROMATOGRAPHIE
20 mins. colour CAMAG
In a step by step demonstration, samples are prepared for chromatographic analysis and fed into the CAMAG chromatographic equipment for a printout on Kymograph charts of its characteristics and the results of the process.

cav792 EMPIRICAL FORMULA OF A COMPOUND: AN EXPERIMENTAL DETERMINATION
30 mins. b/w EBF 1958
Demonstrates the sulphide experiment.

cav860 LAWS OF STOICHIOMETRY AND THE ATOMIC THEORY
30 mins. b/w EBF 1958
Discusses the laws of conservation of mass. Describes definite, combining and multiple proportions.

cav890 MOLE AND WEIGHT RELATIONSHIPS IN CHEMICAL REACTIONS
30 mins. b/w EBF 1958
Considers combustions of ethyl alcohol and the ethane models. Presents the arrangements of atoms in the alcohol molecule.

cav891 THE MOLE CONCEPT
30 mins. b/w EBF 1958
Introduces and defines the concept of the mole.

cav892 MOLECULAR SPECTROSCOPY
23 mins. colour CHEMS 1963
Uses laboratory experiments, molecular models and animation to illustrate the details of the infrared light absorption process and its relation to molecular properties. Stresses concept of natural vibrational frequencies in molecules.

cav893 MOLECULAR THEORY OF MATTER
11 mins. colour EBF 1965
Demonstrates kinetic molecular theory of matter by showing the diffusion of gases in air, the condensation of steam, the evaporation of liquids and the transformation of liquids into solids. Brownian movement is also demonstrated.

cav894 MOLECULES AND THEIR WEIGHTS
30 mins. b/w EBF 1958
Calculates percentage compositions for methane, nitrous oxide and ethyl alcohol.

cav907 NUCLEAR MAGNETIC RESONANCE
28 mins. colour UCLA 1968
Utilizes animation to examine the basic working principles of nuclear magnetic resonance, the operation of the analytical instrument and the interpretation of the data obtained.

cav913 NUMBER-WEIGHT-VOLUME RELATIONSHIPS: A REVIEW
29 mins. b/w EBF 1958
Demonstrates how the information from equations can be used.

cav922 THE ORGANIC MASS SPECTROMETER
18 mins. colour Clarke/AEI
Demonstrates each step in the utilization of the MS12 mass spectrometer. The specific spectrometric properties of an organic compound are determined by comparing it to a reference compound. Also explains the ability of the amble focusing MS9 mass spectrometer to define the exact composition and structure of an unknown organic compound.

cav942 THE POWERS OF TEN
8 mins. colour EAMES 1968
Presents a linear view of our universe, from the human scale to the sea of galaxies, then directly down to the nucleus of a carbon atom. Utilizes animation, narration and a dashboard to demonstrate the relative size of things and what it means to add another zero to any number.

cav943 PREFACE TO CHEMISTRY
17 mins. colour EBF 1953
Provides a brief description of our chemical heritage, including the work of Priestley and Lavoisier. Introduces inorganic, organic and physical chemistry. Portrays experiments concerning chemical change, electrolysis, conductivity and analysis.

cav976 SHAPES AND POLARITIES OF MOLECULES
20 mins. colour CHEMS 1962
Presents electrical effects, including deflections of a stream of falling liquid by an electrically charged rod. Introduces the concept of molecular polarity. A molecular dipole model is used to explain differences in solubility, conductivity and chemical reactivity.

cav990 SPEEDS OF MOLECULES - GASEOUS DIFFUSION
30 mins. b/w EBF 1959
Explains the effects of temperature on pressure in terms of movement of molecules. Measures speeds of diffusion of hydrogen chloride and ammonia.

cav1031 WEIGHING: THE ANALYTICAL BALANCE
30 mins. b/w EBF 1958
Examines the practical value of the analytical balance which can weigh objects to an accuracy of one 5-millionth of a pound. Points out and explains the various parts of the instrument in its use. Analyzes each step in using the balance to weigh a sample of sugar.

COMPUTER SCIENCE

COMPUTERS AND HUMAN BEHAVIOUR
see Social Science - Psychology, Behavioural

cav870 LOGIC AND THE COMPUTER
In the following units four people explain different aspects of computers and some of the mathematical theories underlying them.

1 Mechanising Computation
20 mins. b/w BBC 1965

2 Flow Diagrams
20 mins. b/w BBC 1965

UNDERSTANDING COMPUTERS
see Social Science - Education, Educational Technology

ENGINEERING

Civil

cav723 BEAMS AND FRAMES
20 mins. colour Heller/VPI 1969
Illustrates the behaviour of structures consisting primarily of elements subjected to bending. The curvature produced in a bent element is contrasted to the lengthening due to tensile stresses. The influence of support conditions on beam behaviour is demonstrated, and post-and-lintel structures and various simple frames are introduced and explained.

cav755 CONSTRUCTORS
17 mins. b/w BRI/AGCON
An introduction to the field of construction engineering. Shows views of highways, bridges, office buildings, defense plants and missile installations under construction.

cav784 ELECTRICAL STRAIN GAUGE MOUNTING
10 mins. b/w SGWU 1971
Demonstrates the sequence of actions in preparing specimen surfaces, installing and shielding strain gauges and connecting them for metering. Provides an authoritative outline of expert technique.

cav816 FUNDAMENTALS OF LAND SURVEYING
23 mins. b/w USC 1946
Methods of taping over comparatively level and sloping ground, using the "breaking-chain" technique, are demonstrated. Explains the plumb bob, chaining pins, line rods, hand level and co-ordinated use of bob and tape.

cav853 THE INVISIBLE E: THE CIVIL ENGINEER
29 mins. colour ASCE 1967
Shows the civil engineer at work and explores the natural resources which can aid him in his effort to create a better environment for an exploding population.

cav933 THE PILCON WAYFARER
9 mins. colour SHAND 1967
Explains the operation of the "Wayfarer" one ton and thousand weight percussive drilling rigs. Focuses on the function of these machines in the extraction of soil and rock samples, and also considers the subjects of maintenance, operating costs and mobility of the rigs.

Electrical

CONDUCTION IN P AND N CRYSTALS
see Science - Physics

CONDUCTION IN PURE CRYSTALS
see Science - Physics

COULOMB'S LAW
see Science - Physics

ELECTROMAGNETIC WAVES
see Science - Physics

ELECTROSTATICS
see Science - Physics

THE ELEMENTS OF ELECTRIC CIRCUITS
see Science - Physics

PRINCIPLES OF THE TRANSISTOR
see Science - Physics

SEMI-CONDUCTORS, PART 1: DIODES AND TRIODES
see Science - Physics

SEMI-CONDUCTORS, PART 2: LOW FREQUENCY APPLICATION
see Science - Physics

THE TRANSISTOR
see Science - Physics

Mechanical

BOUNDARY LAYER CONTROL
see Science - Physics, Fluid Mechanics

CHANNEL FLOW OF A COMPRESSIBLE FLUID
see Science - Physics, Fluid Mechanics

DEFORMATION OF CONTINUOUS MEDIA
see Science - Physics, Fluid Mechanics

cav772 DISLOCATIONS
38 mins. colour CONCORDIA UNIFILM 1975
Illustrates how the motion of crystalline imperfections, known as dislocations, causes plastic deformation in metals and ceramics Animation techniques define the mechanisms on two scales - that of the dislocation lines in crystal blocks, and that of atomic displacements in a simple cubic lattice. The film is designed to demonstrate the dynamic behaviour of dislocations as distinct from the static. In addition to the commentary, the sequences are explained by suitable visual headings and captions.

THE GASOLINE ENGINE
see Science - Physics

cav869 LOGGING SYSTEMS AND MACHINE CONCEPTS
16 mins. colour silent CPPA 1966
This film illustrates three systems of harvesting pulpwood in eastern Canada and the equipment which is necessary to make them operable. The "short wood", "tree length" and "full tree" systems demonstrate how a completely mechanized system would operate.

LOW REYNOLDS NUMBER FLOW
see Science - Physics, Fluid Mechanics

MAGNETOHYDRODYNAMICS
see Science - Physics, Fluid Mechanics

PRESSURE FIELDS AND FLUID ACCELERATION
see Science - Physics, Fluid Mechanics

RHEOLOGICAL BEHAVIOUR OF FLUIDS
see Science - Physics, Fluid Mechanics

SECONDARY FLOW
see Science - Physics, Fluid Mechanics

SURFACE TENSION IN FLUID MECHANICS
see Science - Physics, Fluid Mechanics

VORTICITY
see Science - Physics, Fluid Mechanics

WAVES IN FLUIDS
see Science - Physics, Fluid Mechanics

GEOLOGY

THE BEACH: A RIVER OF SAND
see Social Sciences - Geography

cav777 THE EARTH IN CHANGE - THE EARTH'S CRUST
16 mins. colour EBF 1961
Shows that the earth's crust is constantly being changed by the action of the dynamic natural processes of erosion, folding, sedimentation, volcanic action and earthquakes. Describes how the earth's geological history can be deduced from careful study of the present structure of the earth's crust.

cav793 EROSION - LEVELLING THE LAND
14 mins. colour EBF 1964
Examines the surface processes of weathering, erosion and deposition. Studies the transference of loosened rock debris from high ground to basin areas, which results in the levelling of land.

cav794 EVIDENCE FOR THE ICE AGE
19 mins. colour EBF/AGI 1965
Explores anomalies such as glacial moraine deposits, polished and striated rock, stray boulders and abandoned drainage channels. By comparing them with the work of modern glaciers, it can be proved that these geological features were fashioned by sheets of ice which came and went in prehistoric times.

cav822 GEOLOGICAL WORK OF ICE
11 mins. colour EBF 1960
Combining animated drawings with natural photography, the film explains how ice, through geological ages, has been a powerful factor in sculpturing the face of the earth. An animated sequence demonstrates how glaciers form, move and alter surrounding terrain features. The closing scenes trace the advances and retreats of ice sheets on the North American continent during the last ice age.

cav959 ROCKS THAT FORM ON THE EARTH'S SURFACE
16 mins. colour EBF/AGI 1964
Investigates the origins of sedimentary rocks, what they are made of and how they are formed. Explores some of the ways in which sediments are produced, transported, accumulated and hardened into sedimentary rock.

cav960 ROCKS THAT ORIGINATE UNDERGROUND
23 mins. colour EBF/AGI 1966
Since igneous and metamorphic rocks are not produced by surface processes, the film suggests that they must be formed within the earth's crust. Conditions are reconstructed by use of indirect evidence and the fact that both types of rock are composed of intergrown crystalline mineral grains.

cav1023 VOLCANOES IN ACTION
11 mins. b/w EBF 1935
Explains and illustrates the physical factors which cause volcanic action. Shows how magma occasionally solidifies before reaching the earth's surface, to form batholiths, dikes, sills and laccoliths and, at other times, erupts as molten lava and flows over the surrounding countryside. Examines various types of volcanic stones and explains their formation.

cav1040 WHY DO WE STILL HAVE MOUNTAINS?
20 mins. colour EBF/AGI 1964
The nature of mountains is explored through natural photography and laboratory experiments. The film shows that bench mark measurements over a period of forty years prove that uplift is occurring in certain places at rates which could easily produce mountains over a geologically short time.

PHYSICS

cav700 ABSORPTION SPECTRA
3 mins. colour silent OSU 1963
Explanation is given of the Frauenhofer lines of sodium vapor, liquid hemoglobin and didymium glass.

cav703 A IS FOR ATOM
15 mins. colour GE 1964
Through the use of animation, the basis of the atom is explored and the manner in which certain atoms release energy is discussed.

cav721 BASIC THEORY OF HEAT, PART 2
15 mins. colour CENCO 1961
Explores temperature variations and their measurement. Describes mercury and gas filled thermometers and the optical pyrometer. Defines the Kelvin scale and considers heat transfer.

cav748 COMPLEX WAVES: PROPAGATION, EVANESCENCE AND INSTABILITY
52 mins. b/w NCEE 1967
This two part film demonstrates a variety of real wave phenomena and discusses the effect of the parameter in the wave equation; simultaneously displaying the real phenomenon with associated animation.

cav751 CONDUCTION IN P AND N CRYSTALS
13 mins. colour Philips 1968
Demonstrates how an extra free electron is introduced into a germanium crystal: one of the atoms having four valency electrons, e.g. an atom of antimony.

cav752 CONDUCTION IN PURE CRYSTALS
16 mins. colour Philips 1968
Compares the conductivity of semiconductors and insulators. The random movement of free electrons in metals is demonstrated and also their tendency to move towards the positive pole when an electric field is applied.

cav757 COULOMB'S LAW
30 mins. b/w PSSC 1959
Demonstrates the inverse square variation of electric force with distance, and the fact that electric force is directly proportional to charge.

cav760 CRITICALITY
22 mins. colour GREENP 1957
Made primarily for the training of industrial workers in atomic energy factories, this film utilizes animation to describe the conditions which produce criticality and the methods used to avoid the creation of an accidental critical mass.

cav761 CRITICAL TEMPERATURE
3 mins. colour silent OSU 1963
Demonstrates how the behaviour of a liquid in equilibrium with its vapour changes as its temperature crosses its critical temperature.

cav764 THE CRYSTAL DIODE
18 mins. colour Philips 1968
Explains that when an external voltage is applied to a P-N crystal the potential difference across the barrier is changed. Shows that a reduced potential difference across the barrier is obtained if the positive pole of the voltage source is connected to the P-zone.

cav767 DEFLECTING FORCES
30 mins. b/w PSSC 1958
Discusses the nature of the forces which produce curved paths, and brings out the concept of centripetal vector acceleration. Shows how knowledge of path and mass of an object gives information on the force involved.

cav775 DOUBLE SLIT
3 mins. colour OSU 1963
This film explains the dependence of double-slit diffraction pattern upon the separation of the slits and upon the wavelength of light.

cav785 ELECTRIC LINES OF FORCE
8 mins. b/w PSSC 1959
Shows how to produce electric field patterns using a neon sign transformer as the high voltage source. Indicates safety precautions.

cav786 ELECTROMAGNETIC WAVES
33 mins. b/w PSSC 1961
Demonstrates why we believe in the unity of the electromagnetic radiation spectrum. An experiment shows that the radiation arises from accelerated charges and consists of transverse waves that can be polarized.

cav787 ELECTRONS IN A UNIFORM MAGNETIC FIELD
11 mins. b/w PSSC 1959
A spherical cathode-ray tube with a low gas atmosphere (Leybold) is used to measure the curvature of the path of electrons in a magnetic field.

cav788 ELECTROSTATICS
11 mins. b/w EBF 1950
Demonstrates some of the basic phenomena of static electricity and shows ways in which it can be produced and measured.

cav789 THE ELEMENTS OF ELECTRIC CIRCUITS
11 mins. b/w EBF 1943
Reveals the nature of electric circuits and currents. Electronic motions, conductors, insulators and factors affecting resistance are a few of the subjects explained.

cav790 ELLIPTIC ORBITS
19 mins. b/w PSSC 1959
Starting with an elliptic orbit (as of a satellite) and using Kepler's law of areas, this film shows that the gravitational force on the satellite obeys an inverse square relation.

cav807 FRAMES OF REFERENCE
28 mins. b/w PSSC 1960
By means of a variety of experiments on frames of references moving at constant speed or at constant accelerations, the distinction between an inertial and non-inertial frame of reference, and the appearance of fictitious forces in a non-inertial frame are demonstrated.

cav808 FRANCK-HERTZ EXPERIMENT
30 mins. b/w PSSC 1960
A stream of electrons is accelerated through mercury vapor, and it is shown that the kinetic energy of the electrons is transferred to the mercury atoms only in discrete packets of energy. The association of the quantum of energy with a line in the spectrum of mercury is established.

cav809 FRICTION
20 mins. b/w EFVA 1957
A film demonstration through diagrams, models and photomicrography, of the basic laws of friction: first, that friction is independent of surface area, and second, that it is proportional to load.

FUNDAMENTALS OF ACOUSTICS
see Humanities - Linguistics

cav820 GASOLINE ENGINE
8 mins. b/w MGHT 1951
Graphically presents the six processes in the gasoline engine cycle. The ideal situation with the elimination of disturbing factors is demonstrated and the Otto cycle is traced on a pressure-volume diagram. The concept of thermal efficiency is discussed.

cav844 IMAGE METHODS IN ELECTROSTATICS
3 mins. colour UCHI 1967
The film illustrates a point charge in the presence of a grounded conducting sphere, and a point charge in the presence of an ungrounded conducting sphere, using animated diagrams.

cav847 THE INTERFERENCE OF PHOTONS
13 mins. b/w PSSC 1959
Presents an experiment in which light exhibits both particle and wave characteristics. The characteristic interference pattern is pointed out by many individual photons hitting at places consistent with the interference pattern.

cav851 INTRODUCTION TO OPTICS
23 mins. colour PSSC 1959
Deals with approximation that light travels in a straight line; shows the four ways in which light can be bent - diffraction, scattering, refraction and reflection.

cav852 INTRODUCTION TO SUPERCONDUCTIVITY
48 mins. b/w MSU 1965
Presents a demonstration, discussion and explanation of experiments showing various superconductor phenomena.

cav858 LASERS
34 mins. colour PRINCE 1964
Presents the story of laser technology from its initial development to the 1960's.

cav867 LIGHT WAVES AND THEIR USES
11 mins. b/w EBF 1938
Illustrates the principles of reflection and refraction of light Refraction through lenses and reflection from plane, concave and convex mirrors are examined.

cav868 LIQUID HELIUM, 2: THE SUPERFLUID
39 mins. b/w MSU 1963
Demonstrates and explains the lamda point transition, viscosity paradox of superleak versus bulk viscosity, fountain effect, Rollin film and second sound effect - liquid helium 2.

cav871 LONG TIME INTERVALS
25 mins. b/w PSSC 1960
A discussion of the significance of long time intervals with a detailed description of radioactive dating arriving at an estimate for the age of the earth.

cav874 MAGNETIC FORCE
27 mins. b/w NAOS 1960
Presents a study of the earth's magnetic field. The history of magnetism, the Argus Experiment and the Dynamo Theory are examined.

cav875 MAGNETISM AND ELECTRICITY
17 mins. b/w MGHT 1963
Explains simple electric and magnetic relationships and examines the principles of the transformer.

cav881 MATTER WAVES
28 mins. b/w PSSC 1962
A modern version of the electron wave behaviour experiment is demonstrated. The electron diffraction experiments of G.P. Thomson are described by Alan Holden. Similarly, the wave behaviour of other particles such as neutrons and helium atoms is explained.

cav883 MEASUREMENT OF THE SPEED OF LIGHT
8 mins. b/w MGHT 1952
The tooth-wheel method of Fizeau is described in detail with the aid of a moving light beam. Michelson's modification of this method is explained by the reflection of the light beam from a rotating eight-sided mirror.

cav886 MICHELSON INTERFEROMETER
3 mins. colour OSU 1963
Demonstrates the dependence (displacement) of the fringes upon the adjustment of mirrors of a Michelson interferometer and upon the change in "path-difference" due to the insertion of a thin film in the path of the light rays.

cav887 MILLIKAN EXPERIMENT
30 mins. b/w PSSC 1959
In the simplified Millikan experiment, standard spheres are substituted for oil drops; an analysis of the charge related to the velocity of the sphere across field of view of microscope supports the evidence that charge comes in natural units that are all alike. Numerous changes of charge are shown, produced by X-rays.

MOLECULAR SPECTROSCOPY
see Science - Chemistry

cav908 NUCLEAR POWER IN WORLD POLITICS
20 mins. b/w NBC 1967
The global problem of survival in the atomic age is presented, with national arguments for and against the nuclear arms race. Included are interviews with world leaders, sequences of atomic tests and illustrations of delivery mechanisms and nuclear establishments.

cav909 NUCLEAR RADIATION - DETECTORS
15 mins. colour CENCO 1961
Describes each type of instrument used to detect the different forms of radiation, to measure their strength and to count the particles. Among these are the electroscopes, ionization chambers, cloud chambers, scintillation counters, pulse analyzers, photographic equipment and the common Geiger-Mueller counter. Each is shown as it is used in the laboratory and in the field.

cav910 NUCLEAR RADIATION - FALLOUT
15 mins. colour CENCO 1961
Describes fallout radiation patterns alpha, beta and gamma, carbon 14 and strontium 90 as well as radiation's genetic effects on man's development.

cav911 NUCLEAR RADIATION - USES IN MEDICINE
15 mins. colour CENCO 1961
Discusses the use of nuclear radiation in medicine, including the use of radioactive isotopes by doctors observing the natural processes within the body.

cav912 NUCLEAR REACTOR
9 mins. b/w OPRINT 1954
Examines nuclear stability and neutron induced fission. Develops the ideas of neutron emission, the self-sustaining chain reaction and the use of a moderator.

cav930 PHOTONS
19 mins. b/w PSSC 1959
Photomultiplier and oscilloscope are used to demonstrate that light shows particle behaviour; the photomultiplier is explained, amplification is demonstrated, "noise" reduced and the reasoning required to understand the final outcome carefully discussed.

cav939 THE P-N JUNCTION
14 mins. colour Philips 1968
Demonstrates how the creation of single crystals, containing N zones and P zones, leads to the formation of two layers in which the ionic charges are not neutralized.

cav946 PRESSURE OF LIGHT
23 mins. b/w PSSC 1958
Briefly treats the role of light pressure in the universe and illustrates how light pressure on a thin foil suspended in a high vacuum sets the foil into oscillation. Also discusses the Crookes radiometer and the effect which causes it to rotate.

cav947 PRINCIPLES OF THE TRANSISTOR
21 mins. b/w EFVA 1957
Reviews the early crystal set, the invention of the valve and its development up to recent times. Gives a detailed explanation of how the germanium diode and the transistor function, with details concerning the crystal lattice, P and N type germanium and hole conduction.

cav955 RADIOACTIVE DECAY
3 mins. colour silent OSU 1963
Uses time lapse photography to study radioactive decay. Shows a gamma ray display of a 400 channel analyzer indicating simultaneous decay of 12.8 hour CU-64 for one half life and 2.6 hour MN-56 for five half lives.

cav963 RUTHERFORD ATOM
40 mins. b/w PSSC 1961
A cloud chamber and gold foil are used in a simple alpha-particle scattering experiment to illustrate the historic Rutherford experiment which led to the nuclear model of the atom. Behaviour of alpha-particles is clarified by use of large scale models illustrating the nuclear atom and Coulomb scattering.

cav965 SCINTILLATION SPECTROSCOPY
3 mins. colour silent OSU 1963
The last stages of assembly of a gamma ray scintillation detector are shown.

cav972 SEMI-CONDUCTORS
1 Diodes And Triodes
20 mins. b/w BRAY 1960
Presents basic physics theory of hole and electrons flow in semi-conductor material as related to the P-N junction and fundamental principles that apply to rectifiers.

2 Low Frequency Application
20 mins. b/w BRAY 1960
Shows fundamentals of transistor low frequency amplifications, a brief review of electron and hole flow, P-N junction characteristics and transistor symbols, build-up of amplifying circuits, discussion of common emitter base and collector circuits, and a detailed analysis on the operation of the common emitter.

cav977 SHORT TIME INTERVALS
21 mins. b/w PSSC 1960
A study of the extension of the senses to deal with very short time intervals. As an example, special techniques reveal complexities in a flash of lightning which are not ordinarily perceptible to the eye.

cav979 SIMPLE HARMONIC MOTION
10 mins. b/w MGHT 1953
Introduces Hooke's Law and explains the motion associated with the circle diagram.

cav981 SINGLE SLIT
3 mins. colour silent OSU 1963
This film illustrates the dependence of single-slit diffraction pattern upon the slit width and upon the wavelength of light.

cav988 SOUND WAVES AND THEIR SOURCES
11 mins. b/w EBF 1950
Explains that all sound originates in vibrating objects, and illustrates the three general types of vibrating sound sources: columns of air, surfaces, strings and rods.

cav993 STATIONARY LONGITUDINAL WAVES
9 mins. b/w MGHT 1954
Stationary longitudinal waves are demonstrated by a line of springs.

cav994 STATIONARY TRANSVERSE WAVES
9 mins. b/w MGHT 1954
The nature of stationary waves is approached from the stand-point of kinematics. Pulse reflection at the fixed end of a stretched string is studied.

cav1015 TIME AND CLOCKS
28 mins. b/w PSSC 1960
Discusses the concepts of time measurement and shows various devices used to measure and record time intervals from one second down to 10-9 seconds. Treats the psychological nature of time as well as a possible limit to the subdivision of time.

cav1017 THE TRANSISTOR
16 mins. colour Philips 1968
The film explains the working of a P-N-P transistor, which contains two P-N junctions with one common N-region between the two P-regions. The process by which a transistor can be used to amplify an electrical signal is analyzed.

cav1019 UNIFORM CIRCULAR MOTION
8 mins. b/w MGHT 1951
Uniform circular motion is defined and demonstrated. Changes in velocity vector are shown and used to explain why this is accelerated motion.

Fluid Mechanics

cav727 BOUNDARY LAYER CONTROL
25 mins. b/w NCFMF/ESI 1965
Presents demonstrations of the effects and usefulness of geometric shaping, suction, and blowing on airfoils in controlling boundary layer transition and separation to produce higher lift and/or lower drag. Pressure distribution studies, wake momentum surveys, and flow visualization with smoke and tufts are used.

cav734 CHANNEL FLOW OF A COMPRESSIBLE FLUID
29 mins. b/w NCFMF/ESI 1965
Schlieren flow visualization and simultaneous display of the pressure distribution along a channel of varying area demonstrate the phenomena of choking, blocking and starting. Supersonic flow, Mach waves, normal shock waves and supersonic compression are shown.

cav768 DEFORMATION OF CONTINUOUS MEDIA
38 mins. b/w NCFMF/ESI 1963
An introduction to the concepts of rotation, strain, principal axes, and deformation rate by analysis of patterns marked on the surface of glycerine moving in a rectilinear Couette flow.

cav805 FLOW VISUALIZATION
31 mins. b/w NCFMF/ESI 1963
Demonstrates the use of flow visualization to improve understanding of complex flows, by use of hydrogen bubble and dye injection techniques in flows involving boundary layer separation and transition, vortex generation, and turbulence.

cav806 THE FLUID DYNAMICS OF DRAG
1 Some Curious Experiments
20 mins. b/w NCFMF/ESI 1960
Shows that in a certain range of speeds the drag of a sphere decreases as the speed increases, that at low speed a smooth sphere has less drag than a rough sphere, while at high speed it is just the reverse, and that streaming reduces drag in air, but increases drag in glycerine.

2 Fundamental Concepts
30 mins. b/w NCFMF/ESI 1960
Introduces fundamental concepts of continuous fluid density and velocity at a point, body and surface forces, pressure gradient, viscous stress and viscosity. Uses experiments and models to illustrate the concepts.

3 The Laws Of Drag In Fluids Of High And Low Viscosity
35 mins. b/w NCFMF/ESI 1960
Shows drag at low and high Reynolds numbers. Discusses Stokes' Law, boundary layers, luminar and turbulent regimes and the similitude law connecting drag coefficient and Reynolds numbers.

4 How To Reduce Drag
25 mins. b/w NCFMF/ESI 1960
Demonstrates the effect of body shape on drag and discusses the streamlining at low and high Reynolds numbers Considers the boundary-layer stall, the effects of turbulence and roughness and the resolution of paradoxes shown in part 1.

cav873 LOW-REYNOLDS-NUMBER FLOWS
33 mins. colour NCFMF/ESI 1966
Demonstrates the phenomena of "inertia-free" flows in which viscous forces dominate in the balance of forces. The topics include: relative importance of inertial and viscous forces as Reynolds number is varied, Poiseuille flow, hydrodynamic lubrication, kinematic reversibility of low-Reynolds-number flows, drag laws of falling spheres and cylinders at different orientations, influence of nearby walls and other falling bodies on resistance, sedimentation, propulsion of microscopic organisms.

cav876 MAGNETOHYDRODYNAMICS
27 mins. b/w NCFMF/ESI 1965
Experiments using transparent electrolyte, mercury, and liquid sodium-potassium alloy demonstrate the interactions between electromagnetic and velocity fields which are central to magnetohydrodynamics. The changes in pressure fields due to irrotational J X B forces, induced currents and time constants for their decay, Hartmann boundary layers, and Alfven Waves are illustrated.

cav945 PRESSURE FIELDS AND FLUID ACCELERATION
30 mins. b/w NCFMF/ESI 1963
Experiments in a water funnel demonstrate the connection between velocity and pressure fields, primarily in diffusers, venturis, and channel bends. Subjects considered include Bernoulli's integral, pitot tubes, cavitation, Coanda effect, a shear layer, and a rotating fluid.

cav958 RHEOLOGICAL BEHAVIOUR OF FLUIDS
22 mins. b/w NCFMF/ESI 1964
Non-Newtonian viscous fluid behaviour is illustrated using several different substances, and is contrasted to Newtonian viscous fluid behaviour. Demonstrates that stress may depend on the history of the deformation.

cav969 SECONDARY FLOW
30 mins. b/w NCFMF/ESI 1964

The classical teacup experiment (rotating fluid in a stationary vessel) introduces the idea of secondary flow: a simple model which fits most of the flow is called the "primary flow"; "secondary flow" is the difference between this first approximation and the actual flow. Also shows experimental demonstrations of secondary flows in a sink-vortex tank, a bend in an open channel, and at the base of a strut in a shear flow.

cav1001 SURFACE TENSION IN FLUID MECHANICS
29 mins. colour NCFMF/ESI 1963

Presents experiments illustrating effects of surface tension, including soap film intersections, break-up jets and sheets into droplets, capillary action, wetting and non-wetting droplets, splashing of a drop in slow motion, chemical and electric effects, wine tears, generation of bubbles in boiling water and carbonated liquids, and bubble motion in temperature gradients.

cav1024 VORTICITY
44 mins. b/w NCFMF/ESI 1961

An experimental demonstration of phenomena relating to vorticity and circulation. Illustrated are: definition of vorticity, vorticity in curved and straight flows, Crocco's theorem, circulation of lifting wing, Kelvin's theorem and Hemholtz's vortex laws.

cav1027 WAVES IN FLUIDS
33 mins. b/w NCFMF/ESI 1964

Gives experimental demonstrations of concepts in one-dimensional wave motion using a water channel, a flume, and shock tubes. Topics covered include: particle motion in small amplitude waves, steepening and breaking of compression waves, surge waves and hydraulic jumps, sound waves and shock waves, shock diffraction and shock heating.

SOCIAL SCIENCES

ANTHROPOLOGY

THE CAVE COMMUNITY
see Science - Biology, Zoology

CAVE DWELLERS OF THE STONE AGE
see Humanities - History

THE EGYPTOLOGISTS
see Humanities - History

cav861 DR. LEAKEY AND THE DAWN OF MAN
25 mins. colour NGS 1963
Highlighted are Dr. Leakey's dramatic discoveries in his search for the origin of man, in Africa. The film traces the development of the first theories concerning the emergence of man and examines the application of modern technology to the field of anthropology.

PREHISTORIC MAN IN NORTHERN EUROPE
see Humanities - History

ECONOMICS

cav705 AMERICA ON THE EDGE OF ABUNDANCE
59 mins. b/w NET 1965
Explores the economic and social consequences of the increasingly automated and computer oriented society in the United States. America's growth from an agricultural to a manufacturing society is traced. Discusses the questions of retraining and of increased leisure time.

EDUCATION

Educational Technology

COMMUNICATION CONFERENCE
see Humanities - Communications

THE COMMUNICATION REVOLUTION
see Humanities - Communications

INFORMATION EXPLOSION
see Humanities - Communications

cav898 MOTION FILM IN THE CLASSROOM
10 mins. colour EML 1968
Explains film techniques such as animation, time-lapse, micro and macro photography, and examines their applications to teaching objectives. Emphasizes that planning, selection, preview, innovation and critique must precede the use of motion pictures in the classroom.

MUSIC RESEARCH
see Humanities - Communications

PERCEPTION AND COMMUNICATION
see Humanities - Communications

PROCESS OF COMMUNICATION
see Humanities - Communications

cav991 STAGING FOR TELEVISION
30 mins. b/w NETRC 1958
Presents the principles of staging for the panel and interview television programs. Points out errors of staging and demonstrates the methods advocated. Suggests how to create general-utility props and make the best use of them.

THE TEACHER AND TECHNOLOGY
see Humanities - Communications

TEACHING MACHINES AND SIDNEY PRESSEY
see Humanities - Communications

cav1006 TELEVISION DIRECTING
60 mins. b/w NETRC 1958
Discusses and demonstrates undesirable and desirable pre-camera rehearsal procedures, as well as the general techniques and problems of television directing. Traces the development of a program from its inception to actual filming.

cav1007 TELEVISION LIGHTING
30 mins. b/w NETRC 1958
Explains the fundamentals of lighting for the panel and interview television programs, outlines problems and demonstrates how they may be avoided.

cav1008 TELEVISION TECHNIQUES FOR TEACHERS
23 mins. colour SDITVA 1968
Demonstrates some practical approaches to utilizing television in the classroom, and stresses the need for teachers to aquaint themselves with the techniques for its use.

THIS IS MARSHALL MCLUHAN: THE MEDIUM IS THE MASSAGE
see Humanities - Communications

cav1018 UNDERSTANDING COMPUTERS
11 mins. colour BELL 1968
A concatenation of five short films entitled "Flow Charts", "Binary Number Systems", "Input-Output", "Memory Devices" and "Information Processing". Illustrates the symbols of flow charts and explains the language of computers. Describes the storage and retrieval functions and demonstrates information processing.

WHAT'S HAPPENING TO TELEVISION?
see Humanities - Communications

THE WHOLE WORLD IS WATCHING
see Humanities - Communications

Psychology Of Education

THE CONSCIENCE OF A CHILD
see Social Sciences - Psychology, Child And Adolescent

CONTROLLING BEHAVIOUR THROUGH REINFORCEMENT
see Social Sciences - Psychology, Behavioural

cav849 IN THE CITY OF THE CITY
20 mins. colour SEAGULL 1973
Presents an impression of student life at Sir George Williams University, emphasizing the interrelationships between the university and the needs of the community to whose interests it responds in terms of higher education.

LEARNING
see Social Sciences - Psychology, Behavioural

LEARNING ABOUT LEARNING
see Social Sciences - Psychology, Behavioural

cav864 LET'S DISCUSS IT
10 mins. b/w MGHT 1958
Depicts the procedures to follow in organizing a discussion group and in bringing about an effective and democratic decision.

NO TWO ALIKE
see Social Sciences - Psychology, Behavioural

WHY MAN CREATES
see Fine Arts - Creative Arts

Special Education

LOOKING FOR ME
see Social Sciences - Psychology, Child And Adolescent

cav953 PURPLE TURTLE
14 mins. colour ACI 1962
Examines kindergarten children at work with various art mediums. The intensity, delight and skill with which four and five year olds take to paint is captured. Shows why art is an important means of development.

cav975 THE SHAPE OF A LEAF
27 mins. colour Perkins 1967
Reveals the sensitive responses of retarded children to different forms of art training. Also demonstrates the artistic creativity and the individuality of style which these children possess in common with all children.

cav997 STRESS: PARENTS WITH A HANDICAPPED CHILD
30 mins. b/w MGHT 1966
Explores the daily emotional and physical stress on parents raising physically or mentally handicapped children. Emphasizes the necessity of recognizing the problems as a prerequisite to aiding people in this situation.

Teaching Methods

cav707 AND NO BELLS RING
50 mins. b/w NASSP 1960
This film deals with some of the issues connected with the educational system in the United States, surveys the results of innovations and experiments, and suggests ways of improving the quality of teaching.

cav719 THE AUDIO TUTORIAL SYSTEM: AN INDEPENDENT STUDY APPROACH
25 mins. colour PUAVC 1968
The teaching methods of S.N. Postlethewait, developed for an introductory course in Botany at Purdue University, are illustrated. Independent study and the use of communication devices in education are stressed.

cav833 A HAPPENING IN EDUCATION
25 mins. b/w LUMBY circa 1968
Examines the role of the teacher in developing learning skills. Discusses the planning and scheduling of classroom activities in the elementary school and the teacher's sensitivity to the student in an individualized approach to learning.

cav877 MAKE A MIGHTY REACH
28 mins. colour KF 1966
Demonstrates innovations which have been made in exemplary schools across the United States, and urges teachers to support innovation in their schools. Examines the electronic media designed to be utilized as an extension of the chalkboard.

Vocational Guidance

cav733 A CERTAIN TUESDAY
12 mins. colour SILVER
Describes the versatility of a civil engineering career. Follows the engineer as he creates new and varied projects and supervises actual construction.

LOGIC AND THE COMPUTER, PART 1 AND PART 2
see Science - Computer Science

PREFACE TO CHEMISTRY
see Science - Chemistry

cav1020 UNIVERSITY
3 The Humanities
29 mins. b/w SGWU/CBMT 1967
This film discusses the humanities department at the university. Sequences include a seminar discussion on characterization in a literature class, a fine arts class emphasizing creative development and a session with students of theatre arts.

4 The Faculty Of Commerce At Sir George Williams University
29 mins. b/w SGWU/CBMT 1967
Examines the goals of the faculty of commerce and suggests that the key aim of the faculty is the multi-faceted development of creative administrators, who have zest, enthusiasm, and the ability to blend principle and practice in an imaginative way. Sequences from a marketing class are included.

5 The Social Sciences
29 mins. b/w SGWU/CBMT 1967
Reviews some questions of interest to the social sciences. Included are sequences from classroom lectures in economics and geography as well as student-professor consultations on a research project in sociology.

6 Evening Education At Sir George Williams University
29 mins. b/w SGWU/CBMT 1967
The focus and milieu of the evening university student is juxtaposed with that of the day student. The implications for approach, selection and structure in curriculum and activities are indicated.

7 The Role of the University in Society
29 mins. b/w SGWU/CBMT 1967
Presents a panel discussion on the role of the university and the educated man in society. Also examined are the questions of university size, admissions policy, levels of scholarship, the conflict between research and teaching and the reasons for student failure.

cav1029 THE WAY OUT MEN
27 mins. b/w WOLPER 1965
A comprehensible study of scientists who work in fields which are gradually extending man's knowledge of and readiness for the world of the future. Suggests that the scientific revolution of which they are a part not only enables man to create and shape his environment, but to understand what he has created as well.

GEOGRAPHY

cav722 THE BEACH - A RIVER OF SAND
20 mins. colour EBF 1965
An analysis of currents produced by waves proves that most of the pronounced net movement of sand is usually along the shore. The film demonstrates that the beach is thus a river of sand existing between land and breaking waves.

THE EARTH IN CHANGE - THE EARTH'S CRUST
see Science - Geology

EROSION - LEVELLING THE LAND
see Science - Geology

EVIDENCE FOR THE ICE AGE
see Science - Geology

THE FIRST COLOUR MOVIE OF THE PLANET EARTH
see Science - Astronomy

GEOLOGICAL WORK OF ICE
see Science - Geology

cav825 THE GRASSLANDS
17 mins. colour EBF 1962
Illustrates the ecological interrelationships of the grassland biome. Shows the locations of the world's grasslands, explains how they may have originated, and describes their importance as food producing areas. Demonstrates the dependence of animal life on the dominant plants and gives examples of typical food chains.

THE MOON
see Science - Astronomy

ROCKS THAT FORM ON THE EARTH'S SURFACE
see Science - Geology

ROCKS THAT ORIGINATE UNDERGROUND
see Science - Geology

VOLCANOES IN ACTION
see Science - Geology

cav1028 WAVES ON WATER
16 mins. colour EBF 1965
Using experimental tanks, the film explains how waves are created and demonstrates that waves travel, but the water does not move. Identifies wind as the most common source of a wave's energy and examines the creation of high-energy waves by underwater earthquakes.

WHY DO WE STILL HAVE MOUNTAINS?
see Science - Geology

Ecology

THE DESERT
see Science - Biology, Ecology

DISTRIBUTION OF PLANTS AND ANIMALS
see Science - Biology, Ecology

cav841 THE HOUSE OF MAN - OUR CHANGING ENVIRONMENT
17 mins. colour CONSF 1965
Examines the waste of resources in cities, woodlands and farmlands, and the pollution of air and water. Differing approaches toward the treatment of the environment are studied.

POPULATION ECOLOGY
see Science - Biology, Ecology

cav999 SUCCESSION - FROM SAND DUNE TO FOREST
16 mins. colour EBF 1960
Illustrates the process and general principles of ecological succession, by which an area slowly and continually changes until it becomes a stable natural community. Photographed in the dunes at the southern end of Lake Michigan, it shows one of the earliest and most thoroughly studied examples of this process.

THE TEMPERATE DECIDUOUS FOREST
see Science - Biology, Ecology

WHAT IS ECOLOGY?
see Science - Biology, Ecology

Meteorology

cav717 ATMOSPHERE AND ITS CIRCULATION
11 mins. b/w EBF 1944
Describes the composition, distribution and circulation of the earth's atmosphere, and explains how these factors affect weather and climate. Uses animated drawings, simple experiments and live photography.

cav1030 WEATHER SATELLITES
15 mins. colour EBF 1965
A model of the world's first weather satellite shows how its instruments photograph every area of the earth at least once a day for data to be used in forecasting. To learn more about data-sparse areas, a satellite was designed as a "platform in the sky", in order to observe the movement of air masses and to record, pictorially, hurricane and tornado clouds.

cav1035 WHAT MAKES CLOUDS?
16 mins. colour EBF 1965
A close look is taken at fog and at a cloud, noting that both are composed of droplets of water. An experiment with condensation produces fog in a bottle, and the film concludes with an investigation of how condensation occurs in nature.

cav1036 WHAT MAKES THE WIND BLOW?
16 mins. colour EBF 1965
Possible explanations for the cause of a typical on-shore breeze are tested in the laboratory and double-checked in nature. Pressure differences are found to be associated with normal daytime air movements. Clarification of the causes of violent off-shore wind storms is given.

MANAGEMENT

cav704 ALL I NEED IS A CONFERENCE
30 mins. b/w STRAUS 1954
By means of a conference, supervisors and managers solve a difficult industrial problem. The methods a conference leader can utilize to more effectively chair a meeting and stimulate constructive thinking from each member of the group are suggested.

BUSINESS, BEHAVIOURISM AND THE BOTTOM LINE
see Social Science - Psychology, Behavioural

cav843 HUMAN NATURE AND ORGANIZATIONAL REALITIES
28 mins. colour BNA 1967
Discusses Dr. Chris Argyris' experiments in re-designing routine jobs to motivate individuals at the lower levels of an organization. His analysis of the alienated worker and the human tendency to fear change and responsibility produce insights into the psychology of effective management.

cav878 MANAGEMENT BY OBJECTIVES
27 mins. b/w BNA 1969
John Humble defines the basic philosophy of management by objectives and demonstrates how clearly defined company objectives, once established, are integrated with individual management development programs.

cav879 THE MANAGEMENT OF HUMAN ASSETS
28 mins. colour BNA 1967
Dr. Rensis Likert examines the training and direction techniques a company must utilize to obtain high-producing work-groups.

cav899 MOTIVATION IN PERSPECTIVE
20 mins. colour BNA 1969
Saul Gellerman summarizes, compares and contrasts the research and application of behavioural science and ties the concepts together to present a unified guide to management action.

cav900 MOTIVATION THROUGH JOB ENRICHMENT
28 mins. colour BNA 1967
Dr. Frederick Herzberg describes his "Motivation-Hygiene Theory", which calls for the restructuring of routine assignments to make work more meaningful. He emphasizes that motivation is found only in the job itself, which provides the opportunity to satisfy the human need for accomplishment.

THE NEED TO ACHIEVE
see Social Sciences - Psychology, Behavioural

cav949 PRODUCTION CONTROL
20 mins. b/w MGHT 1951
Part 1 of the film fully develops routing procedures and examines their importance as a production control process. Part 2 defines the procedures of centralized and de-centralized scheduling, dispatching and follow-up, necessary for production control within the manufacturing company.

cav971 THE SELF MOTIVATED ACHIEVER
28 mins. colour BNA 1967
Dr. David C. McClelland discusses the problems of identifying and dealing with individuals with a high need for achievement.

STRATEGY FOR PRODUCTIVE BEHAVIOUR
see Social Sciences - Psychology, Industrial

cav1011 THEORY X AND THEORY Y: THE WORK OF DOUGLAS MCGREGOR
Dr Douglas McGregor's "Theory X and Theory Y", based upon the assumptions management is prone to make about its employees, is illustrated.

1 Description of the Theory
25 mins. colour BNA 1969
Examples and discussion are devoted to a comparison of the two sets of assumptions.

2 Application of the Theory
25 mins. colour BNA 1969
Explains why a "Theory Y" manager will be likely to elicit greater productivity from his/her employees.

cav1049 YOU ARE THERE AT THE BARGAINING TABLE
50 mins. b/w AMA 1955
This two part film presents the negotiations between the Rogers Corp. and the AFL International Brotherhood of Paper Makers. Explanation of the background to a wage discussion is provided and bargaining techniques are pointed out. Also shows workers at typical jobs in the plant.

POLITICAL SCIENCE

ARISTOTLE'S ETHICS: THE THEORY OF HAPPINESS
see Humanities - Philosophy

ATHENS: THE GOLDEN AGE
see Fine Arts - Art History

cav742 CIVIL ADMINISTRATION IN TIMES OF REVOLUTION
30 mins. b/w ASPA
The responsibilities of civil administration in times of technological or social revolution and/or revolt, are examined. The necessity of political involvement, while maintaining neutrality between left and right parties, is suggested.

THE DECISION TO DROP THE BOMB
see Humanities - History

JAWAHARLAL NEHRU
see Humanities - History

NUCLEAR POWER IN WORLD POLITICS
see Science - Physics

cav937 PLATO'S APOLOGY: THE LIFE AND TEACHINGS OF SOCRATES
30 mins. colour EBF 1962
Mortimer Adler reveals the character of Socrates: as a man who inspired, then outraged, his fellow citizens; as a teacher who taught by asking rather than telling; and, finally, as a philosopher who disturbed the complacency of man's mind for all time.

PSYCHOLOGY

FUNDAMENTALS OF THE NERVOUS SYSTEM
see Science - Biology

cav888 THE MIND OF MAN
150 mins. colour BBC 1967
The mind of man is the product of millions of years of evolution - incomparably more complex than the mightiest computer, it weighs a mere three and a half pounds. This documentary, filmed in laboratories around the world, looks for human nature and human powers within this lump of tissue, and tries to find out how this electrical and chemical machine produces our emotions and our creative mental ability.

cav968 SEARCH AND RESEARCH
30 mins. b/w ITP 1963
Presents an overview of the field of psychology. Through a story of a young woman who seeks psychotherapy, the film attempts to describe the experimental, psychoanalytic and existential or humanistic areas of psychology. Included are interviews with Dr. Carl Rogers, Dr. Harry Harlow and Dr. Rollo May.

Behavioural

cav728 BRAIN AND BEHAVIOUR
29 mins. b/w Kerkow 1957
The effects on behaviour, as a result of injury to the visual, parietal and language areas and central sector of the brain are examined. Actual tests on patients reveal the general effects of brain injury and the ensuing problems in vision, touch and movement.

cav729 BRAIN AND BEHAVIOUR
22 mins. b/w NETFS 1963
Explains the mechanisms of the brain which control our behaviour Prominent researchers in the field demonstrate how electrical activity in the brain provides clues to the presence of tumours or epilepsy.

cav730 BUSINESS, BEHAVIOURISM AND THE BOTTOM LINE
23 mins. colour CRM 1972
Dr. B.F. Skinner combines a theoretical discussion of behaviour modification principles with an actual example of how these theories can be used in business and industry. The uses of positive reinforcement and feedback are documented from the executive suite to the shipping dock.

cav737 THE CHEMISTRY OF BEHAVIOUR
29 mins. b/w NETFS 1962
Studies some of the effects of psychoactive drugs on behaviour, and demonstrates methods used to introduce these drugs into specific areas of the brain.

cav750 COMPUTERS AND HUMAN BEHAVIOUR
30 mins. b/w NETFS 1962
Explores some of the research being conducted with electronic digital computers in an effort to evolve new theories about human mental processes. Includes computer experiments with perception of motion and depth; a theory of how human beings memorize, and presents a new theory about human problem solving.

cav753 CONFLICT
18 mins. b/w MGHT 1956
Defines conflict as an important influence on the behaviour of an organism. Four basic types of conflict are dramatized in problem situations familiar to college students. Illustrates how the same types of conflict are induced in rats under laboratory-controlled conditions.

cav756 CONTROLLING BEHAVIOUR THROUGH REINFORCEMENT
16 mins. b/w Kerkow 1956
The results of placing an organism on different reinforcement schedules are demonstrated with pigeons under controlled laboratory conditions and with elementary school children in a classroom.

FIFTH STREET: SKID ROW
see Social Sciences - Sociology, Social Deviance And Social Control

cav810 THE FRIGID WIFE
35 mins. colour OPC 1972
Examines the techniques of interviewing patients with communication and sexual problems. Discusses how the therapist must establish a rapport with the patient, appraise non-verbal cues and provide motivation for change.

cav812 FRONTIERS OF THE MIND
25 mins. b/w WOLPER 1965
Explores the involvement of science in behavioural research which scrutinizes the mind. Explains the scientific objectives and benefits of experiments with chemicals, drugs and electrode implantation.

MISS GOODALL AND THE WILD CHIMPANZEES
see Science - Biology, Zoology

cav862 LEARNING
30 mins. colour CRM 1971
B.F. Skinner discusses his theory of operant conditioning. The specialist in infant behaviour, Lewis Lipsitt, demonstrates infant learning patterns. The alteration of motivation for greater productivity is examined by David C. McClelland - a pioneer in motivation techniques.

cav863 LEARNING ABOUT LEARNING
29 mins. b/w NETFS 1963
Through the work of Dr. Howard Kendier and Dr. B.F. Skinner, the film explores the different strategies employed in developing new theoretical concepts about man's ability to learn. These studies, conducted with humans and animals, have led to changes in methods of instruction in educational institutions.

cav904 THE NEED TO ACHIEVE
30 mins. b/w NETFS 1963
In researching motivation and personality, Dr. D. McClelland attempts to verify his psychological theory, which bases the dependence of economic growth and decline upon the entrepreneurs of society.

cav906 NO TWO ALIKE
29 mins. b/w NETFS 1963
Explores some of the ways in which psychologists are developing new testing methods for measuring and increasing human capabilities. Demonstrates the development of tests for choosing pilots during World War II. The methods which are being used to develop productive or creative thinking in the classroom are revealed.

cav921 OF MAN AND MACHINES
30 mins. b/w NETFS 1963
Studies the ways in which man handles and processes information, by examining the problems and dynamics of information feedback between man and machines. Human behaviour in complex man-machine systems, and the way in which information is gained, has led to the re-design of equipment to fit human capabilities.

cav956 REINFORCEMENT IN LEARNING AND EXTINCTION
8 mins. b/w MGHT 1956
Shows how reinforced behaviour is learned, while non-reinforced behaviour is extinguished. This principle is demonstrated with humans and animals.

cav983 THE SOCIAL ANIMAL
29 mins. b/w NETFS 1963
Investigates some of the ways in which man is influenced and changed by society. Studies the effects of group pressure to conform, the consequences of publicly stating ideas contrary to one's belief, and explores the nature of the bargaining process.

cav984 SOCIAL DEVELOPMENT
16 mins. b/w OPRINT 1950
Presents an analysis of social behaviour at different age levels. Examines the developmental stages from the early mixing of the sexes to the selective choice of playmates and the adoption of a natural leader.

THIS QUESTION OF VIOLENCE
see Social Sciences - Sociology, Social Deviance and Social Control

Child And Adolescent

cav702 THE AGE OF TURMOIL
20 mins. b/w CRAF 1955
Six teenagers, aged thirteen to fifteen, representing different personality types, are used to illustrate the behaviour which reflects the emotional turmoil of an early teenager. The point is made that adolescent actions, seemingly odd and inexplicable, are normal, universal traits.

cav724 THE BEGINNING OF CONSCIENCE
16 mins. b/w OPRINT 1957
Demonstrates how the social conscience of an adult is formed by his childhood experiences - including interactions with parents and teachers.

cav754 THE CONSCIENCE OF A CHILD
30 mins. b/w NETFS 1962
Shows some of the ways psychologists are studying the growth and development of personality and emotional behaviour in children. Gives an example of the use of completion stories to test parental identification.

cav771 DISCIPLINE DURING ADOLESCENCE
16 mins. b/w CRAF 1957
Examines the constructive and destructive aspects of the opposing extremes of parental control upon the adolescent.

cav872 LOOKING FOR ME
29 mins. b/w UCEMC 1970
A film about the delights of experiencing one's body, as well as a document supporting a young teacher's belief that movement awareness is essential for all children and body language is an important means of communication for special children.

cav884 MEETING THE NEEDS OF ADOLESCENTS
19 mins. b/w OPRINT 1953
In showing how the physical and mental needs of the adolescent are met, a family with a boy of fourteen and a girl of seventeen serve as an example. The ways in which parents can provide spiritual guidance and aid in the development of their childrens' social consciousness are conveyed.

Industrial

HUMAN NATURE AND ORGANIZATIONAL REALITIES
see Social Sciences - Management

MOTIVATION IN PERSPECTIVE
see Social Sciences - Management

MOTIVATION THROUGH JOB ENRICHMENT
see Social Sciences - Management

THE SELF-MOTIVATED ACHIEVER
see Social Sciences - Management

cav996 STRATEGY FOR PRODUCTIVE BEHAVIOUR
20 mins. colour BNA 1969
Saul Gellerman discusses the broad implications of behavioural science for management and frames the major question: What can management do to motivate people toward greater productivity?

THEORY X AND THEORY Y: THE WORK OF DOUGLAS MCGREGOR
see Social Sciences - Management

Perceptual

cav795 EYE OF THE BEHOLDER
25 mins. b/w REYP 1953
Dealing with concepts of perception and projection, and making the point that what we see and hear is purely subjective, five observers' versions of the same event are presented.

cav928 PERCEPTION
17 mins. b/w MGHT 1957
Basic principles of perception, including perceptual constancy, attention and expectancy are defined through the activities of a group of students spending an evening together.

PERCEPTION AND COMMUNICATION
see Humanities - Communications

cav973 SENSE PERCEPTION, PART 1: THE WONDER OF THE SENSES
28 mins. colour MIS 1960
The "electronics" of the senses are examined. Dr. I.A. Moon demonstrates the fact that man actually sees with his brain, through a psychological experiment involving "inverted spectacles". Included is an experiment on "seeing" odours.

cav974 SENSE PERCEPTION, PART 2: THE LIMITATIONS OF THE SENSES
28 mins. colour MIS 1960
Dr. Moon presents evidence of the limited range and accuracy of man's senses. The narrow band of the electromagnetic spectrum visible to man is explored, and the existence of ultrasonic waves is demonstrated.

cav1045 A WORLD TO PERCEIVE
29 mins. b/w NETFS 1963
Dr. Henry Witkin and Dr. Eleanor Gibson illustrate the role of perception and the personality in handling and processing information from the environment. Also discussed are the basic theories and methods of investigating perception.

RELIGION

cav713 THE ART OF MEDITATION
28 mins. colour HP 1971
Alan Watts presents a practical and theoretical approach to understanding meditation. In demonstrating the essence of the art, examples are taken from India (Yoga), China (Chang), and Japan (Zen).

cav725 BEGRABNIS EINES KNABEN
20 mins. colour silent EC 1967
Filmed on location in Thailand, this production presents the ceremonies and rituals surrounding the burial of a little boy.

cav837 HINDU PROCESSION TO THE SEA
8 mins. colour SYRCU 1969
Explains the processions of temple deities, which constitute a prominent part of "visible" Hinduism, and follows one particular procession through the streets of Madras, India.

cav838 THE HINDU SACRAMENT OF SURRENDER
8 mins. colour SYRCU 1969
Depicts a Preceptor administering to a non-Brahman couple the qualifying initiation, consisting of five discrete rituals, necessary to become a disciple of Vishnu. These rites were never photographed before.

cav839 THE HINDU SACRAMENT OF THREAD INVESTITURE
14 mins. colour SYRCU 1969
This film presents the sacred Hindu ceremony, performed before a young man is married, which symbolizes the second birth. Through it, the youth receives his special garments and learns the rites associated with his caste.

cav856 JUDAISM
29 mins. b/w Simon
Surveys Jewish history as it relates to Judaism, by stressing the impact of the Old Testament upon the individual's most basic beliefs and the necessity of maintaining the individual moral responsibilities given by God. The concept of the "chosen people" is examined, along with the ethical interpretation of certain historical situations.

cav896 THE MOOD OF ZEN
14 mins. colour SCP 1967
While the camera captures the beauty of Japanese gardens, Alan Watts, the West's foremost interpreter of Eastern wisdom, explains some of the basic teachings of Zen - emphasizing the mood of reflection and contemplation.

cav934 PILGRIMAGE TO A HINDU TEMPLE
14 mins. colour CBS 1969
A Tengalai Sri-vaisnava Brahman performs the ritual pilgrimage to the temple tank, where he bathes, dons the appropriate garb for worship, and, finally, enters the innermost sanctum of the temple.

cav938 THE PLAYBOY AND THE CHRISTIAN
54 mins. b/w CBS 1965
An unattached young man frankly discusses and defends his liberal views on pre-marital sex and his overall moral and ethical values. The Christian position is strongly defined by Reverend Harvey Cox.

PROGRESS
see Humanities - Philosophy

DAISETZ SUZUKI
see Humanities - Philosophy

DR. PAUL J. TILLICH
see Humanities - History

SOCIOLOGY

Social Deviance And Social Control

THE CIVIL RIGHTS MOVEMENT: THE SOUTH
see Humanities - History

cav758 CRIME IN THE CITIES
30 mins. b/w NBC 1966
The film questions the crisis atmosphere which exists in the United States, as a result of the soaring crime rate. A visual, historical review places the "crime wave" in its proper perspective.

cav759 CRIMINAL JUSTICE IN THE UNITED STATES
30 mins. b/w NBC 1966
Presents a study of the gap between the ideals and realities of criminal justice, and examines the basis for its miscarriage. Insight into the system is provided by reviewing the cases of twelve convicted men, who were later proven innocent.

EYE OF THE BEHOLDER
see Social Sciences - Psychology, Perceptual

cav797 FIFTH STREET: SKID ROW
28 mins. colour CRM 1973
A series of short vignettes of life on Fifth Street in Los Angeles, this film explores the subculture of the alchoholic. Through actual interviews and candid footage, the physical privations of these people, the psychological concomitants, the effects of their environment and their group processes are observed.

THE PLAYBOY AND THE CHRISTIAN
see Social Sciences - Religion

THE SOCIAL ANIMAL
see Social Sciences - Psychology, Behavioural

cav1013 THIS QUESTION OF VIOLENCE
59 mins. b/w NETFS 1968
An indepth report on the historical, social and psychological factors which seem to underlie the occurrence of violence in modern society. Psychiatrists discuss the problem of aggression and how it leads to violence. The history of violence in the United States is traced, emphasizing that periods of dramatic social change have most often been associated with this behaviour. The responsibilities of the mass media are examined.

Man And Society

AMERICA ON THE EDGE OF ABUNDANCE

see Social Sciences - Economics

cav739 THE CHOSEN CHILD

54 mins. b/w MGHT 1955

This film is a study of the intrinsic difficulties and rewards of child adoption. The camera follows a childless couple to a New York adoption agency, where interviews with case workers take place. The controversy over adoption by private or by public agency is explored.

THE CIVIL RIGHTS MOVEMENT: THE NORTH

see Humanities - History

cav798 THE FIGHT FOR LIFE

60 mins. b/w CPC 1940

The early development of the field of obstetrics is explored and the ailments common to pregnant women examined. A strong indictment against slums is presented through the case studies of many pregnant, underprivileged women, for whom improvements in the field were crucial.

cav1016 TIME PIECE

8 mins. colour MUPPETS 1964

A fast-moving comedy about one man's life in today's urban "rat race". As the hero, a typical young executive, is hospitalized, his daily tasks flash before his eyes - alternating between realism and fantasy.

cav1021 UP IS DOWN

6 mins. colour PFP 1969

Animation and special effects are used to tell the story of a boy who sees things differently, in this humourous film about tolerance, conformity and the generation gap.

cav1022 URBANISSIMO

7 mins. colour Hubley 1968

This animated film provides a witty interpretation of urban development. An all-consuming nomadic city roams the countryside, enticing rural inhabitants and expelling waste continually.

cav1032 THE WELFARE

17 mins. b/w UCB 1966

Compiled from the introspective reflections of a social welfare case worker and a welfare recipient, the film raises fundamental questions about the nature of the self-help processes. It is basically concerned with the area of social work planning which lies between individual or group interviews, and community organizations.

THE BEGINNING OF CONSCIENCE
see Social Sciences - Psychology, Child And Adolescent

DISCIPLINE DURING ADOLESCENCE
see Social Sciences - Psychology, Child And Adolescent

MEETING THE NEEDS OF ADOLESCENTS
see Social Sciences - Psychology, Child And Adolescent

C - INDEX

page	title
C 130	Absorption Spectra
C 107	Admiral Dewey's Victory at Manila
C 154	Age of Turmoil, The
C 130	A is for Atom
C 148	All I Need is a Conference
C 141	America on the Edge of Abundance
C 122	Amphibian Embryo (Frog, Toad and Salamander)
C 144	And No Bells Ring
C 117	Angiosperms: The Flowering Plants
C 113	Aristotle's Ethics: The Theory of Happiness
C 122	Army Ants: A Study in Social Behaviour
C 99	Art Director, The
C 112	Articulatory Habits in French and English
C 156	Art of Meditation, The
C 97	Art of the Middle Ages
C 97	Art: What is It? Why is It?
C 97	Athens: The Golden Age
C 148	Atmosphere and Its Circulation
C 124	Atoms and Their Weights
C 144	Audio Tutorial System, The: An Independent Study Approach
C 99	Basic Principles of Film Editing
C 131	Basic Theory of Heat, Part 2
C 146	Beach, The - A River of Sand
C 126	Beams and Frames
C 154	Beginning of Conscience, The
C 156	Begrabnis Eines Knaben
C 121	Biochemical Genetics
C 138	Boundary Layer Control
C 151	Brain and Behaviour
C 151	Brain and Behaviour
C 151	Business, Behaviourism and the Bottom Line
C 119	Cave Community, The
C 108	Cave Dwellers of the Stone Age
C 145	Certain Tuesday, A
C 138	Channel Flow of a Compressible Fluid
C 115	Charting the Universe with Optical and Radio Telescopes
C 97	Chartres Cathedral
C 152	Chemistry of Behaviour, The
C 122	Chick Embryo, The: From Primitive Streak to Hatching
C 159	Chosen Child, The

C 118 Chromosomes of Man, The
C 99 Cinematographer, The
C 150 Civil Administration in Times of Revolution
C 108 Civil Rights Movement, The: The North
C 108 Civil Rights Movement, The: The South
C 105 Communication Conference
C 105 Communication Revolution, The
C 120 Community, The
C 131 Complex Waves: Propagation, Evanescence and Instability
C 99 Composition in Blue
C 152 Computers and Human Behaviour
C 131 Conduction in P and N Crystals
C 131 Conduction in Pure Crystals
C 152 Conflict
C 154 Conscience of a Child, The
C 126 Constructors
C 152 Controlling Behaviour Through Reinforcement
C 131 Coulomb's Law
C 158 Crime in the Cities
C 158 Criminal Justice in the United States
C 131 Criticality
C 131 Critical Temperature
C 122 Crustaceans (Lobsters, Barnacles, Shrimp and Their Relatives)
C 131 Crystal Diode
C 108 Culloden

C 97 Da Vinci, Leonardo (Giant of the Renaissance)
C 108 Decision to Drop the Bomb, The
C 132 Deflecting Forces
C 138 Deformation of Continuous Media
C 120 Desert, The
C 124 Determination of Molecular Weights of Gases
C 154 Discipline During Adolescence
C 128 Dislocations
C 120 Distribution of Plants and Animals
C 119 DNA: Molecule of Heredity
C 132 Double Slit
C 124 Dunnschichtchromatographie

C 129 Earth in Change, The - The Earth's Crust
C 115 Earth in Motion, The
C 115 Eclipses of the Sun and Moon
C 115 Eclipse 1
C 100 Edison Album, An
C 108 Egypt: Cradle of Civilization
C 109 Egyptologists, The

C 127 Electrical Strain Gauge Mounting
C 132 Electric Lines of Force
C 132 Electromagnetic Waves
C 132 Electrons in a Uniform Magnetic Field
C 132 Electrostatics
C 132 Elements of Electric Circuits, The
C 132 Elliptic Orbits
C 109 Emperor and Slave: The Philosophy of Roman Stoicism
C 124 Empirical Formula of a Compound: An Experimental Determination
C 129 Erosion - Levelling the Land
C 129 Evidence for the Ice Age
C 155 Eye of the Beholder

C 98 Fallacies of Hope
C 158 Fifth Street: Skid Row
C 159 Fight for Life, The
C 100 Film Appreciation: Art
C 100 Film Appreciation: Elements
C 100 Film Appreciation: Language
C 100 Film Appreciation: Nature of the Film Medium
C 115 First Colour Movie of the Planet Earth, The
C 122 Flatworms (Platyhelminthes)
C 138 Flow Visualization
C 138 Fluid Dynamics of Drag, The: Part 1
C 139 Fluid Dynamics of Drag, The: Part 2,3,4
C 133 Frames of Reference
C 133 Franck-Hertz Experiment
C 133 Friction
C 152 Frigid Wife, The
C 117 From Atoms to Organisms
C 152 Frontiers of the Mind
C 98 Frozen World, The
C 119 Function of DNA and RNA in Protein Synthesis
C 112 Fundamentals of Acoustics
C 127 Fundamentals of Land Surveying
C 117 Fundamentals of the Nervous System
C 118 Fungi

C 109 Gandhi, Mahatma
C 133 Gasoline Engine
C 121 Gene Action
C 130 Geological Work of Ice
C 122 Goodall, Miss, and the Wild Chimpanzees
C 98 Grandeur and Obedience
C 146 Grasslands, The

C 98 Great Thaw, The
C 118 Gymnosperms

C 102 Hamlet and the Ghost
C 102 Hamlet: The Closet Scene
C 103 Hamlet: The Final Duel
C 103 Hamlet: The Gravediggers Scene
C 144 Happening in Education, A
C 103 Henry V
C 98 Hero As Artist, The
C 109 Heroic Materialism
C 156 Hindu Procession to the Sea
C 156 Hindu Sacrament of Surrender
C 157 Hindu Sacrament of Thread Investiture
C 100 History Brought to Life
C 147 House of Man, The - Our Changing Environment
C 103 Humanities, The: What They Are and What They Do
C 149 Human Nature and Organizational Realities

C 133 Image Methods in Electrostatics
C 109 Industrial Revolution in England, The
C 106 Information Explosion
C 133 Interference of Photons, The
C 100 Interpretations and Values
C 143 In the City of the City
C 117 Introduction to Biology
C 133 Introduction to Optics
C 134 Introduction to Superconductivity
C 127 Invisible E, The: The Civil Engineer

C 123 Joint-Legged Animals, The: Arthropods
C 106 Journalism - Mirror, Mirror on the World?
C 157 Judaism
C 115 Jupiter, Saturn and Mars in Motion

C 134 Lasers
C 121 Laws of Heredity
C 124 Laws of Stoichiometry and the Atomic Theory
C 141 Leakey, Dr., and the Dawn of Man
C 153 Learning
C 153 Learning About Learning
C 143 Let's Discuss It
C 101 Lies
C 110 Light of Experience, The
C 134 Light Waves and Their Uses

C 134 Liquid Helium, 2: The Superfluid
C 128 Logging Systems and Machine Concepts
C 126 Logic and the Computer, Part 1 and 2
C 134 Long Time Intervals
C 154 Looking For Me
C 139 Low-Reynolds-Number Flows

C 134 Magnetic Force
C 134 Magnetism and Electricity
C 139 Magnetohydrodynamics
C 145 Make a Mighty Reach
C 149 Management by Objectives
C 149 Management of Human Assets, The
C 110 Man - The Measure of All Things
C 134 Matter Waves
C 110 Mau Mau
C 134 Measurement of the Speed of Light
C 155 Meeting the Needs of Adolescents
C 119 Meiosis: Sex Cell Formation
C 135 Michelson Interferometer
C 135 Millikan Experiment
C 151 Mind of Man, The
C 119 Mitosis
C 124 Mole and Weight Relationships in Chemical Reactions
C 124 Mole Concept, The
C 124 Molecular Spectroscopy
C 125 Molecular Theory of Matter
C 125 Molecules and Their Weights
C 123 Mollusks (Snails, Mussels, Octopuses and Their Relatives)
C 157 Mood of Zen, The
C 116 Moon, The
C 142 Motion Film in the Classroom
C 149 Motivation in Perspective
C 149 Motivation Through Job Enrichment
C 101 Movies Learn to Talk, The
C 106 Music Research

C 120 Natural Selection
C 153 Need to Achieve, The
C 110 Nehru, Jawaharlal
C 153 No Two Alike
C 125 Nuclear Magnetic Resonance
C 135 Nuclear Power in World Politics

C 135	Nuclear Radiation - Detectors
C 135	Nuclear Radiation - Fallout
C 135	Nuclear Radiation - Uses in Medicine
C 135	Nuclear Reactor
C 125	Number-Weight-Volume Relationships: A Review
C 113	Odyssey, The: The Central Themes
C 113	Odyssey, The: The Return of Odysseus
C 113	Odyssey, The: The Structure of the Epic
C 103	Oedipus Rex: The Age of Sophocles
C 103	Oedipus Rex: The Character of Oedipus
C 103	Oedipus Rex: Man and God
C 103	Oedipus Rex: The Recovery of Oedipus
C 153	Of Man and Machines
C 125	Organic Mass Spectrometer, The
C 118	Osmosis
C 104	Our Town and Ourselves
C 104	Our Town and Our Universe
C 102	Painting a Portrait
C 104	Peer Gynt
C 155	Perception
C 106	Perception and Communication
C 136	Photons
C 118	Photosynthesis
C 120	Physical Environment, The
C 127	Pilcon Wayfarer, The
C 157	Pilgrimage to a Hindu Temple
C 116	Planets in Orbit - The Laws of Kepler
C 120	Plankton and the Open Sea
C 151	Plato's Apology: The Life and Teachings of Socrates
C 157	Playboy and the Christian, The
C 136	P-N Junction
C 121	Population Ecology
C 102	Potters at Work
C 125	Powers of Ten, The
C 125	Preface to Chemistry
C 110	Prehistoric Man in Northern Europe
C 139	Pressure Fields and Fluid Acceleration
C 136	Pressure of Light
C 136	Principles of the Transistor
C 106	Process of Communication
C 149	Production Control
C 114	Progress
C 110	Protest and Communication

C 123	Protozoa (One-Celled Animals)
C 144	Purple Turtle
C 111	Pursuit of Happiness, The
C 136	Radioactive Decay
C 153	Reinforcement in Learning and Extinction
C 99	Renaissance, The (Its Beginnings in Italy)
C 139	Rheological Behaviour in Fluids
C 130	Rocks That Form on the Earth's Surface
C 130	Rocks That Originate Underground
C 111	Romance and Reality
C 114	Russell, Bertrand
C 136	Rutherford Atom
C 117	Scientific Method
C 136	Scintillation Spectroscopy
C 101	Screen Director, The
C 101	Screen Writer, The
C 151	Search and Research
C 140	Secondary Flow
C 123	Segmentation: The Annelid Worms
C 149	Self Motivated Achiever, The
C 136	Semi-Conductors, Part 1
C 137	Semi-Conductors, Part 2
C 156	Sense Perception, Part 1: The Wonder of the Senses
C 156	Sense Perception, Part 2: The Limitations of the Senses
C 144	Shape of a Leaf, The
C 125	Shapes and Polarities of Molecules
C 137	Short Time Intervals
C 114	Short Vision, A
C 137	Simple Harmonic Motion
C 118	Simple Plants - The Algae
C 137	Single Slit
C 111	Smile of Reason, The
C 154	Social Animal, The
C 154	Social Development
C 116	Solar Family
C 101	Sound Man, The
C 112	Sounds of Language, The
C 137	Sound Waves and Their Sources
C 116	Space Probes - Exploring Our Solar System
C 126	Speeds of Molecules - Gaseous Diffusion
C 142	Staging for Television
C 116	Stars and Star Systems

C 137	Stationary Longitudinal Waves
C 137	Stationary Transverse Waves
C 123	Stinging-Celled Animals: Coelenterates
C 155	Strategy for Productive Behaviour
C 144	Stress: Parents With a Handicapped Child
C 119	Structure of Proteins and Nucleic Acids, The
C 101	Succession - From Sand Dune to Forest
C 101	Superman
C 140	Surface Tension in Fluid Mechanics
C 114	Suzuki, Daisetz
C 101	Symmetry

C 106	Teacher and Technology, The
C 106	Teaching Machines and Sidney Pressey
C 142	Television Directing
C 142	Television Lighting
C 142	Television Techniques for Teachers
C 121	Temperate Deciduous Forest, The
C 104	Theatre, The: One of the Humanities
C 150	Theory X and Theory Y: The Work of Douglas McGregor, Part 1 and 2
C 107	This is Marshall McLuhan: The Medium is the Massage
C 158	This Question of Violence
C 111	Tillich, Dr. Paul J.
C 137	Time and Clocks
C 159	Time Piece
C 138	Transistor, The

C 143	Understanding Computers
C 138	Uniform Circular Motion
C 145	University, Part 3,4,5,6
C 146	University, Part 7
C 159	Up is Down
C 159	Urbanissimo

C 130	Volcanoes in Action
C 140	Vorticity

C 112	War on Gobbleygook
C 111	Washington Crosses the Delaware
C 140	Waves in Fluids
C 147	Waves on Water
C 146	Way Out Men, The
C 148	Weather Satellites
C 126	Weighing: The Analytical Balance
C 159	Welfare, The

C 123	What is an Amphibian?
C 121	What is Ecology?
C 148	What Makes Clouds?
C 148	What Makes the Wind Blow?
C 107	What's Happening to Television?
C 111	White Man's Country
C 107	Whole World is Watching, The
C 130	Why Do We Still Have Mountains?
C 102	Why Man Creates
C 112	Words and Their Meanings
C 123	World of Jacques Yves Cousteau, The
C 156	World to Perceive, A
C 124	Worms: The Annelida
C 99	Worship of Nature, The
C 99	Wright, Frank Lloyd
C 150	You Are There at the Bargaining Table

PRODUCER INDEX

ACE	American Cinema Editors
ACI	ACI Productions
ADP	Anthony David Productions
AIBS	American Institute of Biological Sciences
AMA	American Management Association
ASCE	American Society of Civil Engineers
ASPA	American Society of Public Administration
Bass	S. Bass and Associates
BBC	British Broadcasting Co.
BELL	Bell Laboratories
BHAWK	Blackhawk
BNA	Bureau of National Affairs
BRAY	Bray Studios
BRI/AGCON	Bryon Motion Pictures Inc./ Associated General Contractors of America
CAMAG	Camag Incorporated, Berlin
CBC	Canadian Broadcasting Corp.
CBS	Columbia Broadcasting Co.
CENCO	Cenco Educational Films
CHEMS	Chemistry Educational Materials Study
CINEDESSINS	Cinedessins Production Co.
Clarke/AEI	Michael Clarke/ Association of Electrical Engineers Inc.
CONCORDIA UNIFILM	Concordia Unifilm
CONSF	Conservation Foundation
CPC	Columbia Pictures Corp.
CPPA	Canadian Pulp and Paper Association
CRAF	Crawley Films
CRM	CRM Productions
EAMES	Charles and Ray Eames
EBF	Encyclopaedia Britannica Films
EBF/AGI	Encyclopaedia Britannica Films/ American Geological Institute
EBF/TC	Encyclopaedia Britannica Films/ Tokyo Cinema(for Ministry of Japan)
EC	Encyclopaedia Cinematographia
EFVA	Educational Foundation for Visual Aids
EML	Educational Media Laboratories

Fischinger	Fischinger Films, Berlin
Folds	Joan and Peter Folds
Gatineau	Gatineau Productions
GE	General Electric
GREENP	Greenpark Productions
Gross	Marty Gross
Harrison/SGWU	John E. Harrison/ Sir George Williams University
Heller/VPI	Robert A. Heller/ Virginia Polytechnical Institute
HP	Hartley Productions
HSTFR/OFM	Hour of St. Francis/ OFM Productions
HUBLEY	Hubley Films
ITP	Institute of Therapeutic Psychology
Kerkow	Herbert Kerkow
KF	Kettering Foundation
LUMBY	Lumby Productions (Saskatchewan Teachers Federation)
MGHT	McGraw-Hill Text Films
MIS	Moody Institute of Science
MLAA	Modern Language Association of America
MMPI	Members of the Motion Picture Industry
MSU	Michigan State University
MUPPETS	Muppets Inc.
NAOS	National Association of Sciences
NASA	National Aeronautics and Space Administration
NASSP	National Association of Secondary School Principals
NBC	National Broadcasting Co.
NCEE	National Committee for Electrical Engineering
NCFMF/ESI	National Committee for Fluid Mechanics Films/ Educational Services Inc.
NET	National Educational Television Inc.
NETFS	NET Film Service(Indiana University)
NETRC	National Educational Television and Radio Center of Indiana University
NGS	National Geographic Society

OPC	Ortho Pharmaceutical Corp.
OPRINT	Out of Print
OSU	Ohio State University
PAR	Paramount Pictures Inc.
Perkins	Perkins School, Massachusetts
PFP	Pyramid Film Productions
Philips	Philips Co.
PRINCE	Princetown Report
PSSC	Physical Science Study Committee
PUAVC	Purdue University Audio Visual Center
RANK/SEFT	Rank Organization/ Society for Education in Film and Television
REYP	Reynolds(Stuart) Productions
SCP	Society for Comparative Philosophy
SDITVA	San Diego Institute of Television Authorities
SEAGULL	Seagull
SGWU/CBMT	Sir George Williams University/ Canadian Broadcasting Corp.
SHAND	Shand Pictures Ltd.
SILVER	Silvermine Films
Simon	Mayo Simon
STGT	Sturgis-Grant Productions
STRAUS	Henry Strauss and Co.
SYRCU	Syracuse University
UCB	University of California at Berkeley
UCEMC	University of California Educational Media Center
UCHI	University of Chicago
UCLA	University of California at Los Angeles
UNIVFI	University Films
USC	University of Southern California
WB	Warner Brothers
WOLPER	Wolper Productions
WQED	Educational Television Station
YAF	Young American Films

SERIES INDEX

AGI/EBE Earth Science Program - EBF

Developed jointly by the American Geological Institute and Encyclopaedia Britannica Educational Corporation, this film program encourages direct investigation of land, sea and air phenomena.

page C 146	The Beach - A River of Sand
C 115	Eclipses of the Sun and Moon
C 129	Erosion - Levelling the Land
C 129	Evidence for the Ice Age
C 130	Rocks That Form on the Earth's Surface
C 130	Rocks That Originate Underground
C 147	Waves on Water
C 148	What Makes Clouds?
C 148	What Makes the Wind Blow?

American Cinema - EBF

C 99	Basic Principles of Film Editing
C 100	Interpretations and Values

CENCO Educational Films - CENCO

C 135	Nuclear Radiation - Detectors
C 135	Nuclear Radiation - Fallout
C 135	Nuclear Radiation - Uses in Medicine

Civilization Series - BBC

In thirteen colour films, Lord Clark of Saltwood has chartered his personal course through the ideas and events that have led to western civilization, from the collapse of Rome and Greece to our own century. The theme is illustrated with examples of architecture, art, philosophy and music taken from many different countries.

C 98	The Fallacies of Hope
C 98	The Frozen World
C 98	Grandeur and Obedience
C 98	The Great Thaw
C 98	The Hero As Artist
C 109	Heroic Materialism
C 110	The Light of Experience
C 110	Man - The Measure of All Things

C 110	Protest and Communication
C 111	The Pursuit of Happiness
C 111	Romance and Reality
C 111	The Smile of Reason
C 99	The Worship of Nature

EBE Biology Program - EBF

The ten units of this program are organized to provide a framework for understanding principles of modern biology within the context of ecology.

Unit 1: Ecology

C 120	The Community
C 120	Distribution of Plants and Animals
C 120	The Physical Environment
C 121	Population Ecology
C 101	Succession: From Sand Dune to Forest

Unit 2: Ecosystems

C 119	The Cave Community
C 120	The Desert
C 146	The Grasslands
C 120	Plankton and the Open Sea
C 121	The Temperate Deciduous Forest

Unit 4: Embryology

C 122	Amphibian Embryo (Frog, Toad and Salamander)
C 122	The Chick Embryo: From Primitive Streak to Hatching

Unit 5: Genetics

C 118	The Chromosomes of Man
C 119	DNA: Molecule of Heredity
C 121	Gene Action
C 121	Laws of Heredity
C 119	Meiosis: Sex Cell Formation
C 119	Mitosis

Unit 6: Plant Classification and Physiology

C 117	Angiosperms: The Flowering Plants
C 118	Fungi
C 118	Gymnosperms
C 118	Photosynthesis
C 118	Simple Plants - The Algae

Unit 7: Animal Classification and Physiology

C 122 Flatworms (Platyhelminthes)
C 123 The Joint-Legged Animals: Arthropods
C 123 Segmentation: The Annelid Worms
C 123 Stinging-Celled Animals: Coelenterates
C 123 What is an Amphibian?

Unit 8: Human Physiology

C 117 Fundamentals of the Nervous System

Unit 9: Behaviour

C 122 Army Ants: A Study in Social Behaviour

Unit 10: Evolution

C 120 Natural Selection

EBE Humanities Program - EBF

An imaginative film program that embraces and interweaves broad areas of human experience and expression. Examples of human accomplishment in the arts, literature, drama, and philosophy are introduced.

The Heritage of the Humanities

C 97 Athens: The Golden Age
C 103 The Humanities: What They Are and What They Do

The Drama

C 103 Oedipus Rex: The Age of Sophocles
C 103 Oedipus Rex: The Character of Oedipus
C 103 Oedipus Rex: Man and God
C 103 Oedipus Rex: The Recovery of Oedipus
C 104 Our Town and Ourselves
C 104 Our Town and Our Universe
C 104 The Theatre: One of the Humanities

Epic and Narrative

C 113 The Odyssey: The Central Themes
C 113 The Odyssey: The Return of Odysseus
C 113 The Odyssey: The Structure of the Epic

Philosophy and Political Thought

C 113	Aristotle's Ethics: The Theory of Happiness
C 109	Emperor and Slave: The Philosophy of Roman Stoicism
C 151	Plato's Apology: The Life and Teachings of Socrates

The Fine Arts

C 97	Art of the Middle Ages
C 97	Art: What is It? Why is It?
C 97	Chartres Cathedral

Film Appreciation Series - HSTFR/OFM

C 100	Film Appreciation: Art
C 100	Film Appreciation: Elements
C 100	Film Appreciation: Language
C 100	Film Appreciation: Nature of the Film Medium

Fluid Mechanics Series - EBF

C 138	Boundary Layer Control
C 138	Channel Flow of a Compressible Fluid
C 138	Deformation of Continuous Media
C 138	Flow Visualization
C 138	Fluid Dynamics of Drag, Part 1
C 139	Fluid Dynamics of Drag, Part 2,3,4
C 139	Low-Reynolds-Number Flows
C 139	Magnetohydrodynamics
C 139	Pressure Fields and Fluid Acceleration
C 139	Rheological Behaviour in Fluids
C 140	Secondary Flow
C 140	Surface Tension in Fluid Mechanics
C 140	Vorticity
C 140	Waves in Fluids

Focus on Behaviour Series - NET/IND U

C 151	Brain and Behaviour
C 152	The Chemistry of Behaviour
C 152	Computers and Human Behaviour
C 154	The Conscience of a Child
C 153	Learning About Learning
C 153	The Need to Achieve
C 153	No Two Alike
C 153	Of Man and Machines
C 154	The Social Animal
C 156	A World to Perceive

Introduction to Chemistry Series - EBF

C 124	Atoms and Their Weights
C 124	Determination of Molecular Weights of Gases
C 124	Empirical Formula of a Compound: An Experimental Determination
C 124	Laws of Stoichiometry and the Atomic Theory
C 124	Mole and Weight Relationships in Chemical Reactions
C 124	The Mole Concept
C 125	Molecules and Their Weights
C 125	Number-Weight-Volume Relationships: A Review
C 126	Speeds of Molecules - Gaseous Diffusion
C 126	Weighing: The Analytical Balance

The Living Cell Series - MGHT

C 119	The Structure of Proteins and Nucleic Acids
C 119	Function of DNA and RNA in Protein Synthesis

Maths in Action Series - BBC

C 126	Logic and the Computer, Part 1 and 2

Motion Picture Documents on Communications Theory and the New Educational Media Series - OSU

C 105	Communication Conference
C 105	The Communication Revolution
C 106	Information Explosion
C 106	Music Research
C 106	Perception and Communication
C 106	Process of Communication
C 106	The Teacher and Technology
C 106	Teaching Machines and Sidney Pressey

Motion Picture Production Behind the Scenes Series - MMPI

C 99	The Cinematographer
C 101	The Screen Director
C 101	The Screen Writer

Motivation and Productivity - The Saul Gellerman Series - BNA

C 149	Human Nature and Organizational Realities
C 149	The Management of Human Assets
C 149	Motivation in Perspective
C 149	Motivation Through Job Enrichment
C 149	The Self Motivated Achiever
C 155	Strategy for Productive Behaviour
C 150	Theory X and Theory Y: The Work of Douglas McGregor, Part 1 and 2

Principles and Methods of Teaching a Second Language Series - MLAA

C 112	The Sounds of Language
C 112	Words and Their Meanings

Producing Educational Television Programs Series - NETRC/IND U

C 142	Staging for Television
C 142	Television Directing
C 142	Television Lighting

PSSC/ESI Physics Film Series - MLA

C 131	Coulomb's Law
C 132	Deflecting Forces
C 132	Electric Lines of Force
C 132	Electromagnetic Waves
C 132	Electrons in a Uniform Magnetic Field
C 132	Elliptic Orbits
C 133	Frames of Reference
C 133	Franck-Hertz Experiment
C 133	The Interference of Photons
C 133	Introduction to Optics
C 134	Long Time Intervals
C 134	Matter Waves
C 135	Millikan Experiment
C 136	Photons
C 136	Pressure of Light
C 136	Rutherford Atom
C 137	Short Time Intervals
C 137	Time and Clocks

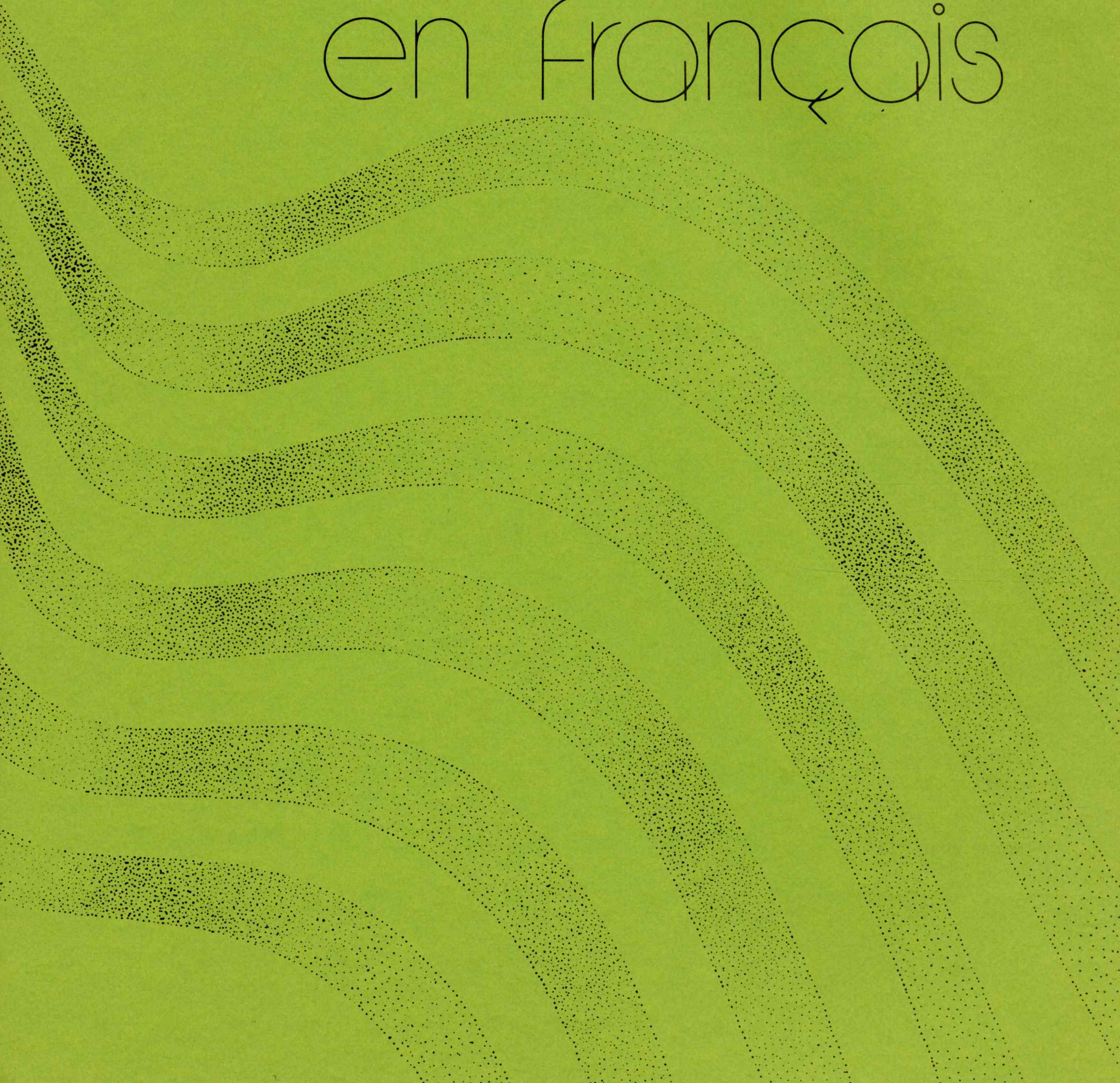
Screen Study Extract Series - RANK/SEFT

C 102	Hamlet and the Ghost
C 102	Hamlet: The Closet Scene
C 103	Hamlet: The Final Duel
C 103	Hamlet: The Gravediggers Scene
C 103	Henry V

University Series - SGWU/CBMT

C 145	The Humanities
C 145	The Faculty of Commerce at Sir George Williams Universit
C 145	The Social Sciences
C 145	Evening Education at Sir George Williams University
C 146	The Role of the University in Society

collection des films en français



D - COLLECTION DES FILMS EN FRANCAIS

TABLE DES MATIÈRES

page sujet

D 180 AGRICULTURE, SYLVICULTURE ET PÊCHES

D 182 LES ARTS

D 183 COMMERCE, INDUSTRIE ET MAIN D'OEUVRE
D 183 Céramique et Verre
D 183 Commerce
D 183 Communications
D 184 Energie Atomique
D 184 Fonderies et Moulage
D 185 La Génie et Sujets Connexes
D 186 Industrie des Aliments et des Boissons
D 186 Industrie Electrique et Electronique
D 186 Ordinateurs
D 187 Peinture et Produits Chimiques
D 187 Ressources Hydrauliques
D 187 Sécurité et Réadaption
D 188 Textiles, Tapis et Vêtements
D 188 Transports - Chemins de Fer
D 189 - Routes
D 189 - Véhicules à Coussins d'Air
D 190 - Voies d'Eau et Bassins

D 191 L'ÉDUCATION ET LA JEUNESSE

D 193 EXPLORATION

D 194 GOUVERNEMENT ET CIVISME

D 195 LA GRANDE - BRETAGNE

D 198 SCIENCES ET TECHNOLOGIE

D 199 SERVICES DE SANTÉ ET DE BIEN - ÊTRE

D 201 SPORTS ET LOISIRS

D 202 L'INDEX DU COLLECTION DES FILMS EN FRANCAIS

AGRICULTURE, SYLVICULTURE ET PECHES

cav 08 BETAIL LAITIER, FOURRAGE ET VIANDE DE BOEUF
(Beef, Grass and Dairy Cattle) 20 mins. couleur BIS 1972

Ce film destiné aux agriculteurs explique de nouvelles méthodes d'élevage du bétail, qu'il est possible de coordonner avec les méthodes d'exploitation déjà en usage. L'utilisation du bétail né à l'automne et au printemps pour la production de la viande de boeuf peut devenir une affaire profitable, à condition de suivre un plan bien fait et de bien utiliser les ressources dont on dispose. Le film démontre qu'un veau peut fournir de la viande au bout de 18 mois et qu'il suffit pour cela d'avoir surtout recours au fourrage.

cav 26 DU LAIT, ENCORE DU LAIT 18 mins. couleur BIS 1967
(Milk for Profit)

Ce film montre comment on peut augmenter la période de lactation des vaches et la qualité de lait produit par une alimentation équilibrée, des locaux convenables et une manipulation correcte.

cav 33 UNE FERME DANS LE PAYSAGE 19 mins. couleur BIS 1974
(The Farmstead in the Landscape)

Même si l'on adresse de fréquents appels aux habitants de la ville afin de leur faire respecter la campagne, c'est encore la communauté rurale qui exploite surtout cette dernière. L'absence de contraintes en matière d'aménagement impose une responsabilité personnelle au cultivateur qui projette de construire de nouveaux bâtiments. Le film explique comment le fait de choisir avec soin aussi bien les matériaux de construction que l'emplacement de la dépendance, permet de construire des bâtiments qui s'harmonisent avec le paysage.

cav 45 L'INDUSTRIE DE LA PECHE EN ECOSSE 40 mins. couleur BIS 1973
(In Grest Waters)

Le film explique comment la précision technique particulière à la pêche moderne a su raviver l'industrie du poisson dans les îles de Shetland et les Hébrides, qui vendent maintenant leurs prises à bien des pays d'outre-mer. La multiplication des usines et des conserveries le long de la côte a pour résultat de fournir du travail à une population qui, autrefois, se voyait forcée d'abandonner la région en quête d'ouvrage.

cav 80 TERRAIN DE JEUX DANGEREUX 15 mins. couleur BIS 1971
(Dangerous Playground)

Chaque année, de nombreux enfants se tuent ou se blessent en jouant sur la ferme. On doit prévoir et surveiller afin d'éviter les dangers que présentent les machines et les produits chimiques qui se trouvent en général dans une cour de ferme.

cav 81 UTILISATION DU BOIS 16 mins. couleur BIS 1972
(Care of Timber)
Le bois étant une des principales importations de la Grande-Bretagne, il faut savoir s'en servir d'une manière efficace et économique. C'est la raison pour laquelle il importe de le traiter et de l'emmagasiner avec beaucoup de soin, ainsi que l'explique ce film, qui montre la bonne façon de manipuler les pièces de bois, que ce soit à pied d'oeuvre ou dans un entrepôt. Le film s'attarde en particulier sur les moyens pour régler la teneur en eau du bois à chaque étape de la construction.

LES ARTS

cav 43 L'IMPORTANCE DES COULEURS 25 mins. couleur BIS 1974
(Colour by Numbers)
Ce film explique l'importance de la couleur et l'influence de la lumière sur la teinte que nous percevons. Des essais entrepris vers 1860 par le brasseur Joseph Lovibond, qui cherchait à établir des normes de couleur, aboutirent à l'invention du teintomètre, dispositif capable de reproduire à la perfection quelque 700 teintes. Le film illustre la manière dont s'emploie cette machine dans les domaines de la recherche, de la télévision ou de l'industrie, où les normes de la couleur jouent un rôle primordial.

cav 44 L'IMPORTANCE DU MOTIF 31 mins. couleur BIS 1974
(More by Design)
Le rôle du motif dans notre vie est d'une réelle importance. Ce film démontre l'extraordinaire richesse, la variété et l'originalité du motif qui apporte couleur, forme et dimensions à la vie quotidienne en Ecosse. Il fait ressortir la valeur du motif dans le cadre d'une propriété, d'une paysage, d'un milieu familier, comme aussi dans l'industrie, le commerce et l'art.

cav 75 LES STYLES MODERNES 15½ mins. couleur BIS 1965
(Design for Today)
Les produits britanniques sont conçus avec soin. Ce film sans commentaire dépeint une journée dans la vie d'un jeune couple. On y voit des choses aussi diverses que l'ameublement d'une maison ou l'équipement d'un bureau moderne, d'une usine ou d'un hôpital, ou encore des trains et d'autres moyens de transport de type nouveau. Prix: l'Association du Film Industriel Britannique, 1966; Anvers, 1966.

COMMERCE, INDUSTRIE ET MAIN D'OEUVRE

CERAMIQUE ET VERRE

cav 24 DON DE TOUTE UNE VIE 32½ mins. couleur BIS 1967
(Gift of a Lifetime)
Procédés traditionnels et modernes de fabrication de la porcelaine de Spode.

COMMERCE

cav 57 PARLONS BREVETS 15 mins. couleur BIS 1970
(Talking of Patents)
Le Bureau des Brevets a une grande valeur pour l'industrie et la recherche technologique. Ce film illustre le développement du bureau et les avantages de la protection sous brevet.

cav 72 SOCIETE INTERNATIONALE 28 mins. couleur BIS 1971
(International Company)
Opérations à l'échelle mondiale de la société "British and American Tobacco", vues au cours d'une tournée du Canada, de l'Inde, de l'Allemagne, d'Helsinki et du siège social à Londres. Le film démontre combien la coopération internationale entre organismes et gouvernements est nécessaire, et expose les réussites et résultats qu'une compréhension mutuelle peut apporter.

COMMUNICATIONS

cav 15 COMMUNICATION SPACIALE 24 mins. couleur BIS 1972
(Voices in Orbit)
Ce film captivant apprend au spectateur comment les satellites de télécommunication ont révolutionné le domaine des communications internationales. Il décrit la communication à distance, depuis les premières transmissions télégraphiques du temps de Marconi jusqu'aux satellites de l'ère actuelle. Il raconte comment le Ministère des Postes de Grande-Bretagne a fait oeuvre de pionnier dans le domaine des communications spatiales et rappelle l'extraordinaire progrès qu'ont su accomplir, grâce à leur coopération harmonieuse, les ingénieurs et les techniciens d'un grand nombre de pays. En dernier lieu, le film examine brièvement les perspectives d'avenir et les avantages qui pourraient découler pour l'humanité entière de l'apport de la communication spaciale dans les domaines de l'information, de l'éducation et de l'organisation des diverses formes de l'activité internationale.

cav 16 COMMUNIQUER POUR VIVRE 22 mins. couleur BIS 1972
(Communicate to Live)
Ce film démontre le rôle essentiel de la communication dans la vie moderne, en illustrant d'abord la communication naturelle qui existe entre les animaux, les insectes et les oiseaux et, ensuite, la communication entre l'homme et l'animal. Il montre l'aptitude artistique de l'homme à enregistrer ses impressions et son habileté à exploiter la vapeur, l'aimant et l'électricité. Il présente enfin les possibilités de l'ordinateur mis au service de tous et prédit l'avenir des communications. Médaille d'or au Festival du Film Industriel de Grande-Bretagne, 1972.

cav 40 L'HISTOIRE D'UN JOURNAL 21 mins. n&b BIS 1961
(News Story)
Comment on "sort" un numéro d'un des grands journaux anglais, le Guardian; à partir du petit matin alors qu'un reporter interroge des débardeurs à propos d'une grêve, jusqu'au fort de la nuit alors que les paquets de journaux qui sortent de la presse sont chargés dans les trains.

ENERGIE ATOMIQUE

cav 03 L'ATOME AU TRAVAIL 25 mins. couleur BIS 1966
(Putting the Atom to Work)
Film de vulgarisation, qui comprend des renseignements de base sur la fission nucléaire et l'application de ses principes dans la production d'énergie en Grande-Bretagne. Les centrales électriques britanniques sont, grâce à la mise au point des réacteurs à refroidissement à gaz et à production rapide, et haut flux les plus modernes du monde. Les radio-isotopes destinés à l'usage médical et industriel, sont fabriqués dans ces réacteurs. Prix: Rome, 1967.

cav 86 VISITONS HARWELL 20 mins. couleur BIS 1967
(Inside Harwell)
Ce film décrit les installations de l'établissement de Harwell et quelques-unes des expériences nucléaires qu'on y fait actuellement.

FONDERIES ET MOULAGE

cav 00 L'ACIER 35 mins. couleur BIS 1945
(Steel)
Images de hauts fourneaux, de forges, d'usines de laminage, d'ateliers de construction mécanique et d'un grand nombre d'hommes de métier, qui, à l'instar de leurs ancêtres, consacrent leur vie à la fabrication de l'acier britannique.

LE GENIE ET SUJETS CONNEXES

cav 12 CENTENAIRE 35 mins. couleur BIS 1967
(Centenary)
Dossier des progrès et du développement des cent années de la société productrice, depuis la production d'acier destiné aux chemins de fer et à l'armement, jusqu'à celle destinée à la médecine, au matériel de bureau et aux machines d'imprimerie.

cav 27 L'EAU DU DANUBE 30 mins. couleur BIS 1973
(Rain from the Danube)
Une réalisation d'importance dans le domaine de la construction: l'irrigation d'une zone de 300 milles carrés du bassin du Danube. La première phase de ce projet, l'un des plus grands et des plus automatisés de ce type dans le monde, est maintenant achevée, de sorte que les communautés qui cultivent un sol sablonneux ont pu, pour la première fois, avoir recours à l'eau qui leur est fournie pour améliorer leurs récoltes. Ce film met en relief le caractère complexe de toute l'opération.

cav 32 FABRICATION DE RESERVOIRS DOUBLES DE POLYTHENE
(Making Reservoirs with Polythene Sheeting)
17 mins. couleur BIS 1968
Démonstration lucide sur la construction de réservoirs doublés, sur le fond et les côtés, de feuilles de polythène.

cav 34 FLAMINDA - OU LA PLUIE COMMANDEE PAR ORDINATEUR
(Flaminda - Rain by Computer) 30 mins. couleur BIS 1975
Compte rendu détaillé de la construction du projet d'irrigation de Flaminda, en Roumanie, où des ingénieurs britanniques et roumains travaillent en étroite coopération à la réalisation d'un projet qui doit transformer une plaine aride en un miracle d'agriculture. L'équipe britannique a travaillé au plan d'exécution et à la construction du projet et a été responsable des stations de repompage, des portes régulatrices du canal et du système de commande par ordinateur, entièrement automatique ("sur demande").

cav 46 LES INGENIEURS 26 mins. couleur BIS 1966
(The Engineers)
Panorama des activités internationales du groupe Hawker Siddeley et leurs succès, notamment diverses inventions britanniques, l'aéroglisseur, le V.T.O.L., le système d'attérissage automatique. Prix: l'Association du Film Industriel Britannique, 1967.

cav 59 PONT SUR LE BOSPHORE 41 mins. couleur BIS 1973
(Bridge Over the Bosporus)
Ce film nous montre la construction sur le Bosphore d'un pont suspendu unissant l'Europe à l'Asie, ainsi que l'apport de la Cleveland Bridge and Engineering à la fabrication et à l'érection des principaux pylônes. Ce pont suspendu, qui fait partie d'une nouvelle route entourant Istanboul, est le plus grand de ce type qu'on trouve en Europe.

cav 62 QUALITE 18 mins. couleur BIS 1966
(A Touch of Quality)
Pour le commun des mortels, une plaque d'acier est une denrée de peu d'intérêt, mais ce film montre comment chaque feuille est destinée à un usage particulier, et comment la qualité devient alors un facteur prépondérant. On voit dans ce film le travail automatique d'une des aciéries les plus modernes d'Europe.

cav 78 TECHNIQUE DE L'AEROTRAIN 17½ mins. couleur BIS 1972
(Engineering the Hovertrain)
Des ingénieurs décrivent les diverses étapes de la mise au point d'un véhicule sur voie pouvant aller à 300 milles à l'heure: l'aérotrain. (Bien que l'appui officiel pour l'aérotrain ait été retiré, le Ministère du Commerce et de l'Industrie a déclaré que le principe de l'aérotrain était valable; en conséquence ce film est toujours utilisé).

INDUSTRIE DES ALIMENTS ET DES BOISSONS

cav 89 VOICI VOTRE GUINNESS 15 mins. couleur BIS 1975
(This Is Your Guinness)
Ce film décrit la façon dont se fait le brassage de la bière Guinness par un procédé essentiellement inchangé depuis 1759, utilisant de l'orge, du houblon, de la levure et de l'eau. Il montre toutes les phases de la production, depuis le mûrissement du houblon et de l'orge dans les champs jusqu'au brassage même, tel qu'il se fait dans les grandes brasseries du Park Royal de Londres et dans une brasserie similaire de Dublin. Il se termine sur une scène de brasserie où l'on consomme de la bière Guinness. Ce film met en relief le soin et la compétence apportés à la production de cette bière en vue de lui assurer un degré de qualité très élevé.

INDUSTRIE ELECTRIQUE ET ELECTRONIQUE

cav 41 HISTOIRE DU DETROIT DE COOK 26 mins. couleur BIS 1966
(Cook Strait Story)
Fabrication et pose d'un câble sous-marin électrique entre les îles nord et sud de la Nouvelle-Zélande. Long de vingt-cinq milles, sa pose a présenté divers problèmes.

ORDINATEURS

cav 42 L'IMPORTANCE DE LA PRECISION 19 mins. couleur BIS 1972
(The Importance of a Good Figure)
Le film a recours à l'animation pour expliquer les techniques utilisées par l'ordinateur pour le traitement des salaires. Des exemples illustrant les diverses applications de l'ordinateur attirent l'attention du spectateur sur le fait qu'un nombre toujours croissant de personnes doivent faire face à un besoin de précision de ce genre.

cav 56 LES ORDINATEURS ET LES ANNEES 70
(Computers for the 70's) 25 mins. couleur BIS 1972

Illustrations des diverses utilisations des ordinateurs par le Bureau Métropolitain: compilation des prévisions, traîtement des documents concernant les marchandises à l'aéroport de Londres, mise au point d'un planeur à Cambridge, mise à jour des dossiers des patients dans un grand hôpital de Londres, et regards sur la mise au point d'un cerveau électronique au Département de la Machine Intelligente à Edimbourg.

PEINTURE ET PRODUITS CHIMIQUES

cav 18 LA COULEUR 22 mins. couleur BIS 1975
(Colour)

En utilisant de nombreuses images - en commençant par les couleurs du spectre, ce film explique la manière dont la sensation de couleur se produit dans le cerveau. Il nous montre l'utilisation de la couleur pour les besoins du camouflage, de la reconnaissance, de la mode, comme aussi dans le domaine de la peinture, et décrit comment sont produites matières colorantes et teintures et comment elles sont alliées par ordinateur.

RESSOURCES HYDRAULIQUES

cav 28 L'EAU, SOURCE DE VIE 14 mins. couleur BIS 1967
(Water for Life)

Ce film illustre l'idée de produire de l'eau potable afin de transformer le désert en terre fertile. Le dessalement par osmose inversée devient de plus en plus important car la demande en eau augmente sans cesse. Et le dessalement devient rentable lorsqu'on le combine à une centrale d'énergie atomique.

SECURITE ET READAPTION

cav 67 RETOUR A LA VIE (LA REEDUCATION INDUSTRIELLE) BIS 1958
(A New Lease of Life) 23½ mins. n&b re-edit 1966

Il se trouve en Grande-Bretagne quelque 10,000 personnes malades ou infirmes qui, autrefois, seraient considérées comme invalides du travail. De nos jours, des centres de réadaption les préparent à de nouveaux emplois. Le film montre le progrès de quatre de ces personnes tout au long d'un cours qu'elles suivent dans un centre de rééducation, depuis leur entrée jusqu'à l'obtention d'un nouvel emploi. Prix: Turin, 1959; Harrogate, 1959; Anvers, 1960; Stockholm, 1960.

TEXTILES, TAPIS ET VETEMENTS

cav 10 LE CACHEMIRE EST ECOSSAIS 23 mins. couleur BIS 1973
(Cashmere Is Scottish)
Ce film est destiné à la promotion de l'industrie de la laine cachemire en Ecosse, et donne une description détaillée par étapes de la production de ce tricot. On voit la tonte des chèvres cachemire en Mongolie et en Chine, le transport de la laine jusqu'en Ecosse où elle devient, par divers procédés, une laine fine et douce. On voit enfin les divers vêtements et divers lainages de cachemire que l'Ecosse exporte dans le monde entier.

cav 20 DE A à Z 10 mins. couleur BIS 1966
(The ABC of A to Z)
La structure des filés est un facteur prédominant dans la fabrication et la solidité des tissus. Le principe de A à Z, mis au point en Irlande, implique un certain traitement des fibres afin que les filés présentent des caractéristiques particulières à l'usage auquel ils sont destinés. Ce procédé A à Z fait l'objet d'une démonstration dans une filature ultra-moderne.

cav 64 LA RAYONNE - LA PREMIERE DES FIBRES
(Rayon - First Among Fibres) 26 mins. couleur BIS 1965
La rayonne, qui est la première fibre synthétique que l'homme ait mise au point, est le produit de substances naturelles telles que la pâte de bois traitée avec des produits chimiques. A partir des études en laboratoire sur la rayonne de viscose, des nouvelles sortes de rayonnes modifiées sont maintenant produites.

TRANSPORTS

Chemins de Fer

cav 63 RAPPORT NO. 4 SUR LA LIGNE VICTORIA
(Victoria Line Report No. 4) 23 mins. couleur BIS 1968
Dernières phases de l'installation du système électrique et de l'équipement de signalisation. L'énergie électrique doit être fournie par une sous-station commandée par ordinateur. Les trains et escalateurs, qui transportent des passagers mannequins, subissent des essais de freinage. On procède à la démonstration du système de commande de trains sans l'aide de conducteurs.

cav 70 SEPTIEME RAPPORT DU RAIL 15 mins. couleur BIS 1967
(Seventh Rail Report)
Ce rapport démontre comment l'expédition de chargements de houille par les trains lents mais incessants, régularise l'approvisionnement des centrales électriques et comment le terminal Motorail à Olympia accélère le transport des vacanciers en voiture. Il illustre aussi les services d'aéroglisseurs.

Routes

cav 02 ALTERNATEUR 15 10 mins. couleur BIS 1967
(Alternateur 15)
La mise en place d'un alternateur, étant donné la vogue de plus en plus grande de l'équipement électrique des voitures, devient plus importante que celle d'une dynamo. Ce film étudie les avantages d'un alternateur et sa mise au point par ordinateur.

cav 30 EN ROUTE VERS DEMAIN 30 mins. couleur BIS 1975
(Travelling Towards Tomorrow)
Les pays en voie de développement ont besoin de routes et d'un bon réseau de communications. Chaque pays connait des difficultés d'ordre géographique ou météorologique, qui lui sont propres - extrêmes de température, pluies torrentielles ou terrain ardu - et qui toutes compliquent la construction des routes et des ponts. Ce film comprend des scènes tournées en Colombie, au Kenya et en Turquie. Il montre le travail accompli par la section d'outre-mer du Transport and Road Research Laboratory, qui conseille les pays en voie de développement sur la meilleure façon d'utiliser leurs ressources et matériaux et leur main-d'oeuvre pour créer un réseau routier efficace, répondant aux besoins économiques et sociaux de chaque peuple.

cav 76 SUR LA ROUTE, EN TOUTE SECURITE 11 mins. couleur BIS 1965
(Safely on the Move)
Le Road Research Laboratory travaille sans cesse à la sécurité des voitures sur son terrain d'essai du Berkshire. Les travaux portent sur tous les genres de collision, les phares rétractables, les ceintures de sécurité, afin d'améliorer la sécurité routière.

Véhicules à Coussins d'Air

cav 21 LES DEBUTS D'UNE INDUSTRIE 25 mins. couleur BIS 1966
(Dawn of an Industry)
Un compte rendu général du développement de l'aéroglisseur Hovercraft. La recherche en laboratoire et tous les modèles passés et présents qui existent sont montrés.

cav 35 FRONTIERES DE LA PUISSANCE 22 mins. couleur BIS 1967
(Frontiers of Power)
Ce film démontre l'importance d'un matériel spécialisé et de la connaissance dans l'industrie britannique de l'aviation. Des ressources énormes sont nécessaires dans cette technologie complexe et ultra-moderne.

cav 49 LE KESTREL MK. 1 15 mins. couleur BIS 1965
(Kestrel MK. 1)
Le Kestrel produit par la Hawker Siddeley Aviation Limited est un avion à réaction monomoteur, transsonique, à décollage et aterrissage vertical. Capable d'une descente rapide, il est conçu pour les sorties de reconnaissance.

cav 52 MISSION S.A.R. 11 mins. couleur BIS 1974
(Mission S.A.R.)
Ce film est une démonstration du modèle d'hélicoptère Sea King, capable d'entreprendre des missions de recherche et de sauvetage tant le jour que la nuit. Il montre les dispositifs de radar et de communication de l'appareil, qui sont hautement perfectionnés, comme aussi la construction pratique de la carlingue pouvant transporter des passagers ou des civières, ou même une charge de marchandises atteignant 6,000 lbs.

cav 60 PROPULSION ET LE SPEY 17 mins. couleur BIS 1967
(Spey Power)
Le turbo-moteur Spey de Rolls-Royce sert aujourd'hui à la propulsion de nombreux avions dans le monde.

Voies d'Eau et Bassins

cav 07 AVONMOUTH, PORT D'AUTOROUTE 18 mins. couleur BIS 1974
(Avonmouth, the Motorway Port)
Ce film examine et explique les avantages des docks d'Avonmouth et la construction du West Dock qui, une fois terminé, sera en mesure de recevoir des navires d'une capacité de chargement de 70,000 tonnes. Le film décrit, en outre, les plus récentes techniques de chargement et de déchargement, par roulement notamment, comme aussi l'avantage qu'assure une liaison directe avec l'autoroute M5.

cav 53 NAISSANCE DES GRANDS NAVIRES 29 mins. couleur BIS 1960
(Seaward the Great Ships)
Parmi les rivières du Royaume-Uni, la rivière Clyde est une de celles qui se prêtent le mieux à la construction navale. Tournée en pleine construction, ce film fait voir les énormes quantités d'acier nécessaires à la production d'un seul navire, ainsi que la manière dont tout cet acier est pressé, moulé et façonné. Le mouvement et le bruit qui accompagnent la construction continuent de s'accroître - jusqu'au moment du lancement du navire, lorsque toute cette masse d'acier se met à vivre. Au cours des deux dernières années, ce film a mérité une dizaine de prix internationaux, dont un "Oscar" de Hollywood récompensant le meilleur métrage court d'actualité.

L'EDUCATION ET LA JEUNESSE

cav 06 L'AVENTURE HEUREUSE 26 mins. couleur BIS 1964
(The Happy Adventure)
Un reportage sur une des meilleures écoles modernes pour les tout-petits en Grande-Bretagne. Le film démontre les rapports essentielles entre l'enseignant et l'enfant, ainsi que l'atmosphère qui existe dans une école qui est dédiée à ses enfants.

cav 09 BOURSES $20\frac{1}{2}$ mins. couleur BIS 1966
(Scholarships)
Croisière en Méditerranée pour but éducatif, organisée à bord d'un navire reconstitué. Plusieurs centaines d'enfants, entourés de moniteurs et professeurs, étudient dans les classes installées, à bord, tandis que les leçons de géographie et d'histoire sont données à terre.

cav 19 COURS AUDIO-VISUEL DE FRANCAIS, LANGUE SECONDE (2 parties)
46 mins. n&b CIT-SGWU 1970
Ce film explique les principes pédagogiques qui ont présidé à l'élaboration d'un cours télévisé de français, langue seconde. Le film comprend des extraits des leçons et des exercices contenus dans cette série télévisée, réalisée avec la participation du professeur Gilbert Taggart du Département de Français de l'Université Concordia. Produit par le "Centre for Instructional Technology" de l'Université Sir George Williams.

cav 29 ENFANTS, HEUREUX ENFANTS (2 parties) n&b INCSB
-JARDINS D'ENFANTS (première partie) 15 mins.
-ECOLE PRIMAIRE (deuxième partie) 44 mins.
Ce film décrit une des écoles Amélie Hamaide en Belgique. La pédagogie qu'on y applique s'inspire de la philosophie d'Ovide Decroly ("l'école pour la vie par la vie"). La première partie du film contient de nombreuses suggestions qui intéresseront les spécialistes de la prématernelle. La deuxième partie du film est consacrée au programme Decroly tel qu'appliqué dans les classes du niveau primaire. L'accent est placé sur le progrès individuel. Une série d'expériences variées favorise chez l'élève l'acquisition de certaines capacités touchant au calcul, à l'expression écrite, à l'observation et à la liberté disciplinée où les enfants sont entièrement responsables de tous les aspects de la vie scolaire. Produit par l'Institut National de Cinématographie Scientifique de Belgique.

cav 37 HABITUDES ARTICULATOIRES EN FRANCAIS ET EN ANGLAIS 1975
11 mins. n&b CINEDESSINS
Ce film fournit à la fois une explication et une démonstration des différences fondamentales entre les habitudes articulatoires du français et celles de l'anglais, grâce à des dessins animés (réalisés à partir de films cinéradiographiques) montrant les mouvements de la langue à vitesse normale et ralentie. Une production réalisée sous la direction du Dr. Gilbert Taggart, professeur de français et de phonétique comparée à l'Université Concordia.

cav 48 LES JEUNES VOLONTAIRES 30 mins. couleur BIS 1965
(The Young Volunteers)
Un film qui nous montre les jeunes hommes et femmes de la Grande-Bretagne y compris ceux qui ont laissé l'école, des gradués et d'autres qui possèdent un entraînement industriel - ces jeunes sont volontaires pour servir en tout lieu dans le monde où leurs connaissances particulières sont en demande.

cav 58 PLUS L'HOMME COMPREND 28 mins. couleur BIS 1965
(The More Man Understands)
Dans les nouvelles universités de Grande-Bretagne on utilise des méthodes nouvelles pour acquérir le savoir, ce film nous montre aussi les nouveaux cours qui y sont dispensés.

cav 88 VOICI LES SCOUTS 30 mins. couleur BIS 1971
(These Are Scouts)
Ce film montre ce qu'être scout en 1971 signifie, et la manière de diriger un groupe. On assiste notamment à diverses activités scoutes; camping, vol à voile, canotage, spéléologie et voyages à l'étranger.

EXPLORATION

cav 17 LA CONQUETE DU DARIEN 30 mins. couleur BIS 1972
(Darien Conquest)
Ce film rappelle le succès de l'expédition britannique Trans-Amériques, sous la direction du Major Blashford-Snell à travers le Darien. Il expose les conditions dures que les hommes ont dû subir pour arriver à ce succès, et montre les multiples utilisations des deux véhicules Range Rover employés dans cette expédition.

cav 68 RETOUR EN GEORGIE DU SUD 26 mins. couleur BIS 1966
(Return to South Georgia)
Un rapport de l'année 1964 - 1965 au cours de laquelle les services conjoints de l'expédition antartique ont retrouvé la voie empruntée par Shackleton à travers la Géorgie du Sud pour chercher de l'aide lorsque son bateau s'est trouvé coincé dans les glaces. Ce film comprend quelques séquences filmées en 1915.

GOUVERNEMENT ET CIVISME

cav 11 LA CAPITALE 26 mins. couleur BIS 1974
(Capital City)

La Cité de Londres n'occupe qu'une superficie d'un mille carré; elle constitue pourtant le marché monétaire le plus développé du monde. Tout en s'attardant sur la traditionnelle élection du lord-maire et sur les anciennes corporations, ce film permet de voir comment la Cité de Londres remplit son rôle compliqué, qui consiste à assurer un milieu équilibré à ses travailleurs et à ses habitants.

cav 36 LE GARDE-COTE 23 mins. couleur BIS 1972
(The Coastguard)

Ce film tourné à l'occasion du cent cinquantième anniversaire de la création du service de garde-côte (HM Coastguard) fait voir le travail qu'accomplit celui-ci en sauvant des vies sur mer, comme aussi sur la côte. Quelques images qui montrent le rôle antérieur de ce service permettent de constater à quel point son action s'est amplifiée pour mieux répondre aux besoins actuels.

cav 54 OEUVRE D'HOMME 25½ mins. couleur BIS 1973
(It's All Man-Made)

Ce film sur la pollution des rivières traite de plusieurs sujets tels que les déchets toxiques, la négligence, le bruit, le développement urbain, la pollution de l'air. La rivière Trent connaît de nombreux problèmes reliés à l'environnement, qu'elle rencontre sur son chemin vers la mer, sur une distance de cent vingt-trois milles. Le film s'attarde sur les efforts dont font preuve les autorités régionales en vue de combattre la pollution et sur certaines solutions constructives qui visent à rendre propres les eaux de la rivière Trent avant que celle-ci se jette dans la mer.

cav 65 REBUTS DE DEMAIN 12 mins. couleur BIS 1974
(Refuse with a Future)

Ce film présente l'installation rotative Vickers Seerdrum, conçue pour permettre l'utilisation d'ordures ménagères, et démontre comment celles-ci peuvent s'employer pour des travaux de remblayage et la mise en valeur de certains terrains, surtout s'ils sont situés dans une région pittoresque et à proximité d'une agglomération urbaine. Le film décrit cette machine en illustrant son fonctionnement depuis l'enlèvement et le traitement des ordures jusqu'à leur utilisation. Il permet au spectateur de voir de quelle façon l'on se sert de celle-ci en Ecosse et en Suisse.

LA GRANDE-BRETAGNE

cav 04 AUJOURD'HUI, PRELUDE DE DEMAIN 24 mins. n&b BIS 1968
(Tomorrow Begins Today)
La Grande-Bretagne affronte les changements modernes grâce à sa technologie avancée. Dans ce pays dynamique, on porte une attention particulière à l'avenir des jeunes.

cav 13 CHARTWELL 9 mins. couleur BIS 1966
(Chartwell)
Vue de l'intérieur et des jardins de Chartwell, la demeure de Sir Winston Churchill, qui est maintenant ouverte aux visiteurs.

cav 23 DEFENSEUR DE LA LIBERTE 45 mins. n&b BIS 1965
(Champion of Freedom)
La vie et le travail de Sir Winston Churchill depuis sa jeunesse alors qu'il était soldat et correspondant de guerre.

cav 31 ENTRE LES MAREES 22 mins. couleur BIS 1958
(Between the Tides)
Ce film révèle l'intéressante vie animale et végétale qui n'est pas toujours visible à l'oeil nu, et fait voir les créatures fascinantes qu'on peut trouver dans les étangs ou les eaux peu profondes, parmi les lieux de reproduction des oiseaux aquatiques de Grande-Bretagne. L'appareil de photographie en couleur explore la riche vie naturelle du littoral de la Grande-Bretagne, mettant en lumière une abondante information en images dans la meilleure tradition du film documentaire naturaliste.

cav 38 LE HAUT DU PAYS 25 mins. couleur BIS 1972
(Top Country)
Ce film vise à la promotion du nord-est de l'Ecosse, région en plein développement industriel, reliée à Inverness et au reste du Royaume-Uni et de l'Europe par l'excellents moyens de communications. Il montre les diverses possibilités offertes aux personnes qui veulent s'y installer, et notamment les maisons modernes, les écoles et autres magasins. Il illustre en outre les industries déjà établies dans la région.

cav 39 LA HAUTE-ECOSSE 30 mins. couleur BIS 1971
(Highlands)
La vie d'aujourd'hui en Haute-Ecosse, qui, malgré les changements industriels, garde encore sa beauté sauvage. Le potentiel de croissance industrielle est illustré par la construction d'une fonderie d'aluminium à Invergordon, ainsi que par les derniers travaux hydroélectriques, de même que par l'implantation d'industries secondaires.

cav 47 LES JARDINS BOTANIQUES DE KEW 21½ mins. couleur BIS 1960
(Kew Gardens)
Du petit jardin d'une princesse qu'ils étaient il y a deux siècles, les jardins botaniques royaux de Kew sont devenus une oasis, célèbre dans le monde entier, d'arbres, de fleurs, d'arbustes et de plantes exotiques, posés parmi de vastes pelouses pour la joie de plus d'un million de visiteurs chaque année.

cav 66 LA REGION DES MIDLANDS 20 mins. couleur BIS 1974
(Midland Country)
Les comtés de la région des Midlands ont beaucoup à offrir au touriste et au vacancier. Cette région de l'Angleterre centrale, comprenant onze comtés, est, estime-t-on, très caractéristique de l'Angleterre rurale. On voit dans ce film des sites historiques, des châteaux, des demeures anciennes, des villages où se pratiquent les anciennes formes d'artisanat, ainsi qu'un vaste réseau de rivières et de canaux; il montre aussi la campagne dans toute sa beauté et les occupations auxquelles s'adonnent les habitants de cette région.

cav 73 SPLENDEURS DE LA GRANDE-BRETAGNE
(Splendours of Britain) 26 mins. couleur BIS 1972
Ce film intéressera le touriste. Il parle de l'héraldique et donne un compte rendu de l'histoire et de la manière dont fonctionne le Collège des Armoiries de nos jours.

cav 74 ST. ANDREWS SUR LA MER DU NORD 22 mins. couleur BIS 1973
(St. Andrews by the Northern Sea)
Le bourg royal de St. Andrews; son histoire et la ville universitaire actuelle. St. Andrews, ancienne capitale ecclésiastique de l'Ecosse, grandit autour de la cathédrale, du château et de l'université. Aujourd'hui, seule l'université demeure. Ce film nous montre la vie universitaire de la ville, ainsi que l'activité qu'exerce le siège social du Royal and Ancient Golf Club, qui est responsable des principes et règlements du golf partout dans le monde.

cav 77 TAYSIDE 28 mins. couleur BIS 1974
(Tayside)
Le nom Tayside désigne une des régions nouvellement formées de l'Ecosse, qui se distingue par la diversité des occupations qu'on y pratique et par la grande variété des terrains qui en font partie: chaînes montagneuses et hauteurs, plaine basse et zone côtière. La région de Tayside est située dans l'estuaire et le bassin d'une rivière qui, aidée de ses affluents, draine une superficie de quelque 2,500 milles carrés de l'Ecosse centrale. Ce film montre les nombreuses industries et l'exploitation agricole de cette région, comme aussi le port prospère de Dundee, où le mode de vie a déjà commencé de changer à la suite de la découverte de pétrole dans la mer du Nord.

cav 83 VACANCES EN EST-ANGLIE 20 mins. couleur BIS 1954
(East Anglian Holiday)
Dans des décors de l'Est-Anglie, tels que les "Broads", rendez-vous de voiles, de moulins à vent et de cours d'eau tranquilles, les délicieux moulins de Flatford et d'Horstead Mills et la vieille ville de King's Lynn. Ce film révèle un pays d'une beauté exceptionnelle, tout en rappelant l'histoire et les traditions du lieu.

cav 84 LA VIE DE LA REINE MERE 19 mins. n&b BIS 1961
(The Life of the Queen Mother)
S.A.R. la reine mère Elisabeth occupe une place particulière dans l'affection du peuple. Le film montre quelques-uns des nombreux événements qui lui ont valu cette estime: son mariage en 1923, ainsi que les voyages à l'étranger et la vie publique très remplie qui suivirent et qu'elle devait poursuivre d'une manière encore plus intense dans son rôle de reine; sa vie privée de maman; ses occupations pendant la deuxième guerre mondiale; le mariage de ses filles et la grande variété des fonctions qu'elle remplit avec courage depuis la mort de son mari.

cav 85 LA VILLE DE LA CURIOSITE 20 mins. couleur BIS 1960
(The Questioning City)
Bref aperçu de la ville universitaire de Cambridge en Est-Anglie. Le film donne une idée de la vie académique et mondaine des étudiants, des bâtiments historiques de l'université, de la beauté des "Backs" et de la campagne environnante. Les scènes filmées au célèbre laboratoire Cavendish résument les réalisations scientifiques et technologiques les plus remarquables des hommes de science.

cav 91 VOYAGEONS EN GRANDE-BRETAGNE 21 mins. couleur BIS 1974
(Searoad to Britain)
Les touristes arrivant en Grande-Bretagne de l'étranger peuvent profiter des nombreux avantages prévus pour les automobilistes pendant qu'ils voyagent vers les endroits connus pour leur beauté ou leur intérêt historique. Ce film montre Stonehenge et Salisbury, l'abbaye de Tintern (Monmouthshire), le mur d'Adrian, la région des lacs, les montagnes d'Ecosse et les marais saumâtres de Norfolk.

SCIENCES ET TECHNOLOGIE

cav 22 DECOUVERTE - LE RADAR 13 mins. couleur BIS 1967
(Discovery - Radar)
Dessin animé sur la découverte du radar et la réussite de Sir Robert Watson avant la seconde guerre mondiale.

cav 51 MAGNUS ET LE BIFTECK SYNTHETIQUE 40 mins. couleur BIS 1972
(Magnus and the Beansteak)
Magnus Pyke, l'un des plus grands technologistes du monde en matière d'alimentation, explique comment la science peut surmonter toute famine dans le monde grâce à la production d'aliments synthétiques.

cav 69 RICHESSE ET COMPLEXITE 28½ mins. couleur BIS 1972
(Richness and Complexity)
Un film conçu pour présenter aux spectateurs d'outre-mer quelques-unes des projets exécutés par d'éminents chercheurs du British Government Research Council dans les domaines suivants: physique de l'énergie, médecine, agriculture, environnement national, astronomie, espace.

cav 82 UTILISATION DU SON DANS LA MER 11 mins. couleur BIS 1972
(Using Sound in the Sea)
L'utilisation du son comme outil sous-marin fait partie du travail du National Institute of Oceanography, dont les chercheurs se servent d'ondes sonores pour explorer le monde sous-marin. On sait que la nature du fond de la mer est à peu près inconnue. Ce film explique la mise au point d'une technique de sondage latéral par le son, qui utilise le son comme s'il s'agissait de lumière pour éclairer le fond de l'océan. L'énergie acoustique peut servir d'outil non seulement pour dresser une carte du fond de l'océan, mais aussi pour repérer et surveiller les instruments scientifiques sous-marins. Le film montre la mise en pratique des méthodes conçues par les spécialistes de l'institut.

cav 87 VOICI LA SCIENCE 27½ mins. couleur BIS 1967
(Consider Science)
Le rythme toujours croissant de la science, de la technologie et de la médecine en Grande-Bretagne, est illustré dans ce film par des expériences sur le plasma, sur l'utilisation du laser et des ordinateurs et d'autres nouvelles inventions. Nouvelles méthodes, découvertes, nouveaux dispositifs sont à l'avantage de la science moderne et de l'humanité toute entière. Prix: l'Association du Film Industriel Britannique, 1967; San Francisco, 1967; Bilbao, 1967.

SERVICES DE SANTE ET DE BIEN-ETRE

cav 01 A LA RECHERCHE DE LA VIE 20 mins. couleur BIS 1973
(A Quest for Life)

Ce film montre les divers aspects de l'University Hospital of Wales, construit récemment à Cardiff et servant à la fois d'hôpital et de centre de recherche et de formation. Ce vaste ensemble, qui comprend des laboratoires de recherche, des jardins et des magasins, occupe une superficie de 53 acres et peut recevoir 700 malades. Il est doté d'installations électroniques modernes, qui sont une aide précieuse dans la lutte contre la maladie. Le personnel de l'hôpital et l'industrie de la région travaillent ensemble pour remédier au problème du bruit, aux maux de la région dorsale et à la pollution à l'usine.

cav 14 LA CIGARETTE ET VOUS 11 mins. couleur BIS 1963
(Smoking and You)

Le film démontre les risques engendrés par la cigarette.

cav 25 LE DROIT DE DONNER 29 mins. couleur BIS 1972
(The Right to Give)

Ce film illustre le fonctionnement du service bénévole dans le Bien-Etre, et les organisations suivantes: les Samaritains, le groupe de travail, les foyers du Docteur Barnardo, les donneurs de sang, une fête de village, les sauveteurs, etc.

cav 50 LA LEPRE 35 mins. couleur BIS 1974
(Leprosy)

Bref historique de la lèpre depuis les temps anciens jusqu'à nos jours, aboutissant à un exposé des plus récents progrès visant à combattre cette maladie. Ce film illustre le besoin de continuer la recherche pour répondre à une demande constante et essayer de guérir chaque année un nombre croissant de cas, particulièrement en Afrique et en Inde. Il s'attarde sur le médicament "Dapsone", pilule ne causant pas d'effets secondaires.

cav 55 OEUVRONS ENSEMBLE 20 mins. couleur BIS 1967
(Working Together)

A Edimbourg, un comité coordonne les diverses activités de soixante organismes s'occupant de personnes invalides. Il aide les enfants de la thalidomide, forme les aveugles, enseigne les arts ménagers aux femmes invalides, organise des jeux et des compétitions.

cav 71 SERVICES DE SANTE EN GRANDE-BRETAGNE
(Health Service in Britain) 14 mins. n&b BIS 1961

Une étude des soins médicaux disponibles selon le Service National de Santé. Les services spécialisés qui y sont décrits comprennent les soins prénatals et post-natals, les centres de gériatre et de réhabilitation. On y voit aussi les aménagements nécessaires au travail des spécialistes et des chirurgiens dans les hôpitaux ainsi que l'aide apportée dans les foyers.

cav 79 LES TECHNIQUES ASEPTIQUES 20 mins. couleur BIS 1973
(Asepsis - Principles in Practice)
Le film se déroule dans le cadre d'un grand hôpital général, où les rapports constants entre malades, infirmières, visiteurs et membres du personnel médical et auxiliaire compliquent sans cesse la lutte contre l'infection. Il illustre les techniques aseptiques usuelles et spéciales utilisées dans la salle d'opération et dans le service de dialyse rénale. Grâce à l'utilisation de certaines techniques cinématographiques, il nous est possible de voir des micro-organismes causant l'infection et la manière dont celle-ci se propage. Le film examine ensuite les méthodes dont on se sert pour créer des conditions aseptiques dans le domaine des soins médicaux et des réserves de matériel hospitalier.

SPORTS ET LOISIRS

cav 05 AVENTURE ATLANTIQUE 38 mins. couleur BIS 1964
(Atlantic Adventure)
Sir Francis Chichester arrive second dans la course transatlantique de 1964. Ce film décrit ses préparations et la course.

cav 61 PUR-SANG 22 mins. n&b BIS 1970
(Thoroughbred)
Le haras national cherche à élever les meilleures bêtes possibles. Des champions célèbres ont engendré des poulains et notamment "Stupendous" pour lequel on a payé jusqu'à vingt mille livres. D'autres chevaux célèbres viennent du haras: Never Say Die, Tudor Melody, Hopeful Venture. Ce film nous montre les vétérinaires dans l'aile des poulains, la naissance et les premiers jours d'un poulain.

cav 90 LES VOILIERS 28 mins. couleur BIS 1970
(The Tall Ships)
Histoire de la course de voiliers de l'Association de la Voile entre Plymouth et Ténérife. On assiste aux instructions préalables à la course données au trente-six concurrents, en 1970.

L'INDEX DU COLLECTION DES FILMS EN FRANCAIS

page	titre
D 184	Acier, L'
D 199	A la Recherche de la Vie
D 189	Alternateur 15
D 184	Atome au Travail, L'
D 195	Aujourd'hui, Prélude de Demain
D 201	Aventure Atlantique
D 191	Aventure Heureuse, L'
D 190	Avonmouth, Port d'Autoroute
D 180	Bétail Laitier, Fourrage et Viande de Boeuf
D 191	Bourses
D 188	Cachemire est Ecossais, Le
D 194	Capitale, La
D 185	Centenaire
D 195	Chartwell
D 199	Cigarette et Vous, La
D 183	Communication Spaciale
D 184	Communiquer pour Vivre
D 193	Conquête du Darien, La
D 187	Couleur, La
D 191	Cours Audio - Visuel de Français, Langue Seconde

D 188 De A à Z
D 189 Débuts d'une Industrie, Les
D 198 Découverte - Le Radar
D 195 Défenseur de la Liberté
D 183 Don de Toute une Vie
D 199 Droit de Donner, Le
D 180 Du Lait, Encore du Lait

D 185 Eau du Danube, L'
D 187 Eau, Source de Vie, L'
D 191 Enfants, Heureux Enfants
D 189 En Route vers Demain
D 195 Entre les Marées

D 185 Fabrication de Réservoirs Doubles de Polythène
D 180 Ferme dans le Paysage, Une
D 185 Flaminda - ou la Pluie Commandée par Ordinateur
D 189 Frontières de la Puissance

D 194 Garde - Côte, Le

D 191 Habitudes Articulatoires en Français et en Anglais
D 195 Haut du Pays, Le
D 195 Haute - Ecosse, La
D 184 Histoire d'un Journal, L'

D 186 Histoire du Détroit de Cook
D 186 Importance de la Précision, L'
D 182 Importance des Couleurs, L'
D 182 Importance du Motif, L'
D 180 Industrie de la Pèche en Ecosse, L'
D 185 Ingénieurs, Les

D 196 Jardins Botaniques de Kew, Les
D 192 Jeunes Volontaires, Les

D 189 Kestrel MK. 1, Le

D 199 Lèpre, La

D 198 Magnus et le Bifteck Synthétique
D 190 Mission S.A.R.

D 190 Naissance des Grands Navires

D 194 Œuvre d'Homme
D 199 Œuvrons Ensemble
D 187 Ordinateurs et les Anées 70, Les

D 183 Parlons Brevets
D 192 Plus l'Homme Comprend
D 185 Pont sur le Bosphore

D 190 Propulsion et le Spey
D 201 Pur-Sang

D 186 Qualité

D 188 Rapport No. 4 sur la Ligne Victoria
D 188 Rayonne, La - La Première des Fibres
D 194 Rebuts de Demain
D 196 Région des Midlands, La
D 187 Retour à la Vie
D 193 Retour en Géorgie du Sud
D 198 Richesse et Complexité

D 188 Septième Rapport du Rail
D 199 Services de Santé en Grande-Bretagne
D 183 Société Internationale
D 196 Splendeurs de la Grande-Bretagne
D 196 St. Andrews sur la Mer du Nord
D 182 Styles Modernes, Les
D 189 Sur la Route, en Toute Sécurité

D 196 Tayside
D 186 Technique de L'Aérotrain
D 200 Techniques Aseptiques, Les
D 180 Terrain de Jeux Dangereux

D 181	Utilisation du Bois
D 198	Utilisation du Son dans la Mer
D 197	Vacances en Est-Anglie
D 197	Vie de la Reine Mère, La
D 197	Ville de la Curiosité, La
D 184	Visitons Harwell
D 198	Voici la Science
D 192	Voici les Scouts
D 186	Voici Votre Guinness
D 201	Voiliers, Les
D 197	Voyageons en Grande-Bretagne